



**US Army Corps
of Engineers®**
Rock Island District

FINAL

Defense Environmental Restoration Program
for
Formerly Used Defense Sites
Ordnance and Explosives

Archive Search Report for

EPHRATA BOMBING TARGET RANGE

DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

JANUARY 2005



200.1f

RESTORATION INFORMATION MANAGEMENT SYSTEM

PROJECT FACT SHEET

FORMERLY USED DEFENSE SITES

September 2003

TAG REVIEW: 5 MAY 2004

1. **SITE NAME:** Ephrata Bombing Target Site

SITE NUMBER: F10WA028300

LOCATION:

County: Douglas
State: Washington

PROJECT NUMBER: F10WA028301

CATEGORY: MMRP

INPR RAC: 5

ASR RAC: 5

TAG RAC: 5

2. **POC'S:**

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ASR/INPR TEAM:

Name: Bradford McCowan
Office: CEHNC-OE-CX
Phone: 256-895-1174

ASR TECHNICAL REVIEWER:

Name: Daniel Linehan
Office: SJMAC-ESM
Phone: 918-420-8867

3. SITE DESCRIPTION:

a. Former Ephrata Bombing Target Range is located in Douglas County, Washington approximately 21 miles Northwest of Ephrata, Washington. The site is an area of land totaling 2,650 acres. There is no evidence of bombing range structures present. No evidence of any targets was found during the site inspection. The area is characterized by gently to moderately steep soils on basalt upland/plateaus plains and gullies with low vegetation.

b. The ASR site inspection team found no evidence of ordnance debris with the exception of small arms cartridges attributed to area hunters.

4. SITE HISTORY:

a. The Army Air Corps acquired this land to conduct precision bombing operations. The archive search uncovered no evidence that the U.S. Army Air Corps got pass the acquisition and planning phase of this project. No improvements were evident during either the archive search or the actual site visit.

b. The War Department acquired the land, which consisted of sections 22, 23, 26 and 27 of Township 25 North, and Range 25, by mandate in 1943. Real Estate Directive 3032 authorized the land for disposal in May 1944.

c. The 2,650 acres is currently owned by numerous entities and is used for cattle grazing and a nature preserve.

5. PROJECT DESCRIPTION:

Size:	2,650 acres
Former Use:	Unknown
Present Use:	Cattle Grazing/Nature Preserve
Possible End Use:	Same
OE Presence:	
Confirmed:	None
Potential:	None
ASR Recommends:	RAC 5
HNC Safety:	RAC 5

6. CURRENT STATUS:

The U.S. Army Corps of Engineers, Rock Island District, completed the Archives Search Report for Ephrata Bombing Target Range in September 2003.

7. **STRATEGY:** NDAI

8. **ISSUES AND CONCERNS:**

a. Evidence, both documented and visual, indicated this site was never used for its intended purpose as a bombing target range. There are no areas of confirmed or potential MEC presence at this site.

b. The Huntsville Center Technical Advisory Group met and evaluated this ASR on 5 May 2004. The consensus was RAC 5, NDAI.

9. **SCHEDULE SUMMARY:**

<u>Phase</u>	<u>Orig.</u>	<u>Sch.</u>	<u>Actual</u>	<u>Orig.</u>	<u>Sch.</u>	<u>Actual</u>
	<u>Start</u>	<u>Start</u>	<u>Start</u>	<u>Comp.</u>	<u>Comp.</u>	<u>Comp.</u>

10. **FUNDING/BUDGET SUMMARY:**

<u>Year</u>	<u>Phase</u>	<u>EXEC</u>	<u>IN House</u>	<u>Contract</u>	<u>Funds</u>
		<u>FOA</u>	<u>Required</u>	<u>Required</u>	<u>Obligated</u>

**RISK ASSESSMENT PROCEDURES FOR
MILITARY MUNITIONS RESPONSE PROJECTS**
(Revised 29 October 2003)

Property Name:	<u>Ephrata Bombing Target Range</u>	Rater's Name:	<u>Daniel Linehan</u>
Property Location:	<u>Douglas County, WA</u>	Phone Number:	<u>918-420-8867</u>
DERP Project #:	<u>F10WA028301</u>	Organization:	<u>SJMAC-ESM</u>
Property Type:	<u>Practice Bombing Target Area A</u>	Date Completed:	<u>21 April 2004</u>
Score:	<u>5</u>		

RISK ASSESSMENT:

This risk assessment (RAC) procedure was developed to address explosives safety hazards related to munitions. This procedure does not address environmental hazards associated with munitions constituents. The U.S. Army Engineering and Support Center, Huntsville (USAESCH), Ordnance and Explosives Directorate (CEHNC-OE) developed this procedure in accordance with MIL-STD 882C and AR 385-10. The Risk Assessment Code (RAC) score will be used by the U.S. Army Corps of Engineers to prioritize the response action(s) at Formerly Used Defense Sites (FUDS). The risk assessment should be based on the best available information resulting from record searches, reports of Explosive Ordnance Disposal (EOD) actions, field observations (site visits), and interviews. This information is used to assess the risk involved based on the potential MMR hazards identified for the project. The risk assessment evaluates two factors, hazard severity and hazard probability.

Part I - Hazard Severity. Hazard severity categories are defined to provide a qualitative measure of the worst credible event resulting from personnel exposure to various types and quantities of unexploded ordnance.

TYPE OF ORDNANCE: (Check all that apply)

A. Conventional ordnance and ammunition:

	VALUE
Projectiles, explosive (20 millimeter and larger)	10 <input type="checkbox"/>
Bombs, explosive	10 <input type="checkbox"/>
Grenades, hand or rifle, explosive	10 <input type="checkbox"/>
Landmine, explosive	10 <input type="checkbox"/>
Rockets, guided missile, explosive	10 <input type="checkbox"/>
Other Explosive item not previously stated	10 <input type="checkbox"/>
Bomb, practice (w/spotting charge)	6 <input type="checkbox"/>
Detonators, blasting caps, fuses, boosters, bursters	6 <input type="checkbox"/>
Practice ordnance (w/ spotting charges, other than bombs)	4 <input type="checkbox"/>
Small arms, complete round (.50 cal or less)	1 <input type="checkbox"/>
Small arms, expended (.50 cal or less)	0 <input checked="" type="checkbox"/>
Practice ordnance (w/o spotting charges)	0 <input type="checkbox"/>

Conventional ordnance and ammunition (enter largest single value checked) 0

What evidence do you have regarding conventional unexploded ordnance? Expended cartridges from small arms ammunition were discovered near the site, presumably from hunters.

Property Name:
Project Number:
Property Type:

B. Pyrotechnics (for munitions not described above):

VALUE

Munitions containing White Phosphorus (WP) or other pyrophoric material (i.e., spontaneously flammable)

10 ☐

Munitions containing a flame or incendiary material (i.e., Napalm, Triethylaluminum metal incendiaries)

10 ☐

Containers containing WP or other pyrophoric material or flame or incendiary material

6 ☐

Flares, signals, simulators, screening/burning smokes (other than WP)

4 ☐

Pyrotechnics (enter the single largest value checked)

0

What evidence do you have regarding pyrotechnics? None

C. Bulk Explosives (HE) (not an integral part of conventional ordnance; un-containerized):

VALUE

Primary or initiating explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)

10 ☐

Secondary explosives (Demolition charges, PETN, Compositions A, B, C, Teteryl, TNT, RDX, HMX, HBX, Black Powder, etc.)

8 ☐

Insensitive explosive substances (explosive contaminated soils, ammonium nitrate)

3 ☐

Pyrotechnics (enter the single largest value checked)

0

What evidence do you have regarding bulk explosives? None

Property Name:
Project Number:
Property Type:

D. Bulk propellants (not an integral part of rockets, guided missiles, or other conventional ordnance; uncontainerized)

	VALUE
Solid or liquid propellants	6 <input type="checkbox"/>
Bulk Propellants (select 6 or 0)	<u>0</u>

What evidence do you have regarding bulk propellants? None

E. Recovered Chemical Warfare Materiel (RCWM), Weaponized Industrial Chemicals and Radiological Materiel:

	VALUE
Toxic chemical agents (H-Mustard, G-Nerve, V-Nerve and L-Lewisite)	25 <input type="checkbox"/>
Chemical Agent Identification Sets	20 <input type="checkbox"/>
Radiological Materiel (If rad waste is identified please call the HTRW-CX at 402-697-2555)	15 <input type="checkbox"/>
Weaponized Industrial Chemicals (Hydrogen Cyanide AC; Cyanogen Chloride, CK; Phosgene, CG)	10 <input type="checkbox"/>
Riot Control Agents (vomiting, tear)	5 <input type="checkbox"/>
Chemical and Radiological (enter the single largest value checked)	<u>0</u>

What evidence do you have regarding chemical or radiological? None

TOTAL HAZARD SEVERITY VALUE (Sum of value A through E, maximum of 61)	<u>0</u>
Apply this value to Table 1 to determine Hazard Severity Category	

Property Name:
Project Number:
Property Type:

**TABLE 1
HAZARD SEVERITY***

<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>HAZARD SEVERITY VALUE</u>
CATASTROPHIC	I <input type="checkbox"/>	21 and/or greater
CRITICAL	II <input type="checkbox"/>	10 to 20
MARGINAL	III <input type="checkbox"/>	" 5 to 9
NEGLIGIBLE	IV <input type="checkbox"/>	1 to 4
**NONE	V <input checked="" type="checkbox"/>	0

*Apply Hazard Severity Category to Table 3 and complete Part II of this form.

**If hazard severity value is 0, complete Part II of this form. Then proceed to Part III and use a RAC score of 5 to determine your appropriate action.

PART II - Hazard Probability. The probability that a hazard has been, or will be, created due to the presence and other rated factors of unexploded ordnance, explosives, incendiary, pyrotechnic, radiological, or RCWM materials on a formerly used Department of Defense (DOD) site.

AREA, EXTENT, ACCESSIBILITY OF OE HAZARD (Check all that apply)

A. Locations of OE hazards:

	VALUE
On the surface	5 <input type="checkbox"/>
Within tanks, pipes, vessels, or other confined areas	4 <input type="checkbox"/>
Inside walls, ceilings, or other building/structure	3 <input type="checkbox"/>
Subsurface	2 <input type="checkbox"/>
Location (enter the single largest value checked)	0

What evidence do you have regarding the location of OE? None

Property Name:
Project Number:
Property Type:

B. Distance to nearest inhabited location/structure likely to be at risk from OE hazard (road, park, playground, building, etc.).

	VALUE
Less than 1,250 feet	5 <input type="checkbox"/>
1,250 feet to 0.5 mile	4 <input type="checkbox"/>
0.5 mile to 1.0 mile	3 <input type="checkbox"/>
1.0 mile to 2.0 Miles	2 <input type="checkbox"/>
Over 2 miles	1 <input checked="" type="checkbox"/>

Distance (enter the single largest value checked) 1

What are the nearest inhabited structures/buildings? Recreational vehicle (RV) park.

C. Number(s) of building(s) within a 2-mile radius measured from the OE hazard area, not the installation boundary.

	VALUE
26 and over	5 <input type="checkbox"/>
16 to 25	4 <input type="checkbox"/>
11 to 16	3 <input type="checkbox"/>
6 to 10	2 <input type="checkbox"/>
1 to 5	1 <input checked="" type="checkbox"/>
0	0 <input type="checkbox"/>

Number of buildings (enter the single largest value checked) 1

Narrative: Appeared to be an abandoned storage building.

Property Name:
Project Number:
Property Type:

D. Types of Buildings (within 2-mile radius)

	VALUE
Educational, childcare, residential, hospitals, hotels, commercial, shopping centers	5 <input type="checkbox"/>
Industrial, warehouse, etc.	4 <input type="checkbox"/>
Agricultural, forestry, etc.	3 <input checked="" type="checkbox"/>
Detention, correctional	2 <input type="checkbox"/>
No buildings	0 <input type="checkbox"/>

Types of buildings (enter the single largest value checked)

3

Describe the types of buildings: Abandoned storage building, possibly to support farming in the area.

E. Accessibility to site refers to access by humans to ordnance and explosives. Use the following guidance:

	VALUE
No barrier nor security system	5 <input checked="" type="checkbox"/>
Barrier is incomplete (e.g., in disrepair or does not completely surround the site). Barrier is intended to deny egress from the site, as for a barbed wire fence for grazing	4 <input type="checkbox"/>
A barrier (any kind of fence in good repair) but no separate means to control entry. Barrier is intended to deny access to the site.	3 <input type="checkbox"/>
Security Guard, but no barrier	2 <input type="checkbox"/>
A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel continuously monitors and controls entry; or, an artificial or natural barrier (e.g., fence combined with a cliff) which completely surrounds the area; and, a means to control entry at all times through the gates or other entrances (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the area).	0 <input type="checkbox"/>

Accessibility (enter the single largest value checked)

5

Describe the site accessibility: Complete access by foot, limited access by vehicle on crude road leading to site.

Property Name:
Project Number:
Property Type:

F. **Site Dynamics.** This deals with site conditions that are subject to change in the future, but may be stable at the present. Examples would be excessive soil erosion on beaches or streams, increasing land development that could reduce distances from the site to inhabited areas or otherwise increase accessibility.

Expected

VALUE

5 ☐

Not anticipated

0 ☒

Site Dynamics (enter the single largest value checked)

0

Describe the site dynamics: Site is arid, open range dominated by sagebrush and grasses. Land is principally used for cattle grazing and nature conservation.

TOTAL HAZARD PROBABILITY VALUE

10

(Sum of largest values for A through F (maximum of 30). Apply this value to Hazard Probability Table 2 to determine the Hazard Probability Level.

TABLE 2
HAZARD PROBABILITY*

DESCRIPTION VALUE	LEVEL	HAZARD PROBABILITY
FREQUENT	A <input type="checkbox"/>	27 or greater
PROBABLE	B <input type="checkbox"/>	21 to 26
OCCASIONAL	C <input type="checkbox"/>	15 to 20
REMOTE	D <input checked="" type="checkbox"/>	8 to 14
IMPROBABLE	E <input type="checkbox"/>	less than 8

*Apply Hazard Probability Level to Table 3.

Property Name:
Project Number:
Property Type:

Part III - Risk Assessment. The risk assessment value for this site is determined using the following Table. Enter the results of the Hazard Probability and Hazard Severity values.

TABLE 3

PROBABILITY LEVEL	FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
SEVERITY CATEGORY:					
CATASTROPHIC I	1 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
CRITICAL II	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
MARGINABLE III	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
NEGLIGIBLE IV	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>

None (V) = RAC 5 ☒

RISK ASSESSMENT CODE (RAC)

- RAC 1-4 Recommend and approve further action as appropriate. Refer to EP 1110-1-18 for discussion of MMR projects and the process to be followed for project execution.
- RAC 5 Usually indicates that No DOD Action Indicated (NDAI) is necessary. Recommend and approve NDAI and follow instructions for project closeout in accordance with current program guidance.

PART IV - Narrative. Summarize the documented evidence that supports this risk assessment. If no documented evidence was available, explain all the assumptions that you made.

Evidence, both documented and visual, indicated this site was never used for its intended purpose as a bomb target range. There appears to be no areas of confirmed or potential MEC presence at this site.

Property Name:
Project Number:
Property Type:

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
for
FORMERLY USED DEFENSE SITES

ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT

FOR

EPHRATA BOMING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

SEPTEMBER 2003

Prepared For

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ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

ACKNOWLEDGMENT				
The following persons provided support as indicated.				
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ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
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**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301**

1. INTRODUCTION

a. **Authority, Subject and Purpose**

(1) This report presents the findings of a historical records search and site inspection for the presence of ordnance and explosives (OE) located at Ephrata Bombing Target Range, Douglas County, Washington (see plate 1 for general location map). The investigation was performed under the authority of the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS).

(2) The investigation focused on 2,560 acres which comprise the former Ephrata Bombing Target Range (see document E-1). This site was acquired by the Department of the Army to be used as a military training site for the Army Air Corps, 17th Bombardment Group in support of Ephrata Air Base, Washington.

(3) The purpose of this investigation was to characterize the site for potential OE presence, to include conventional ammunition and chemical warfare materiel (CWM). The investigation was conducted by experienced ordnance personnel through thorough evaluation of historical records, interviews, and on-site visual inspection results.

b. **Scope**

(1) This report presents the site history, site description, real estate ownership information, and confirmed ordnance presence (prior to and after site closure), based on available records, interviews, site inspections, and analyses. The analyses provide a complete evaluation of all information to assess current day potential ordnance presence, where actual ordnance presence has not been confirmed.

(2) For the purpose of this report, OE presence consists of live ammunition, ammunition components, CWM or explosives which have been lost, abandoned, discarded, buried, fired, or thrown from demolition pits or burning pads. These items were manufactured, purchased, stored,

used, and/or disposed of by the War Department or the Department of Defense. Such ammunition/components are no longer under accountable record control of any DOD organization or activity.

(3) Expended small arms ammunition (caliber .50 or smaller) is not considered OE presence. OE further includes "explosive soil" which refers to any mixture in soil, sands, clays, etc., such that the mixture itself is explosive. Generally, 10 percent or more by weight of secondary explosives in a soil mixture is considered explosive soil.

2. PREVIOUS INVESTIGATIONS

a. **Corps of Engineers Documents**

(1) A Preliminary Assessment of Eligibility (PAE) for Ephrata Bombing Target Range was conducted under DERP-FUDS by the U.S. Army Corps of Engineers, Seattle District. The Finding and Determination of Eligibility (FDE), dated 19 January 1990, concluded that the site known as Ephrata Bombing Target Range had been formerly controlled, but not used by the Department of Defense (see document E-1 and Table 2-1).

(2) The PAE concluded that there were eligible categories under the DERP-FUDS program. Due to the fact that the site was controlled by the Department of Defense and identified as a military training site, an OE project was recommended, DERP-FUDS Project Number F10WA028301, the principal subject of this report. The PAE indicated that the site consisted of 2,560 acres, which comprised the Ephrata Bombing Target Range, Douglas County, Washington.

TABLE 2-1 PRELIMINARY ASSESSMENT OF ELIGIBILITY				
Project Number	DERP Category	Present Phase	Comments	Location
F10WA028301	OE	SI	Ordnance and Explosives Presence	Entire Site 2,560 Acres (see Plate 1)
	HTRW	N/A	None Recommended	N/A
	BD/DR	N/A	None Recommended	N/A

b. **Other Reports**

No other pertinent investigations or inspections were discovered during the ASR process.

3. SITE DESCRIPTION

a. **Existing Land Usage**

(1) The former Ephrata Bombing Target Range, which was acquired for precision high altitude and night bombing target practice during World War II, is located approximately 21 miles northwest of Ephrata, Washington. The site was considered a satisfactory location for a bombing target range east of the Cascade Mountains due to the existence of support facilities already in place and the suitability of adjacent parcel land for installation of bombing targets.

(2) The 2,560 acres that comprise the former bombing target site are owned by diverse entities. Today, much of this same land is being used for nature preservation and cattle grazing (see document G-1, Plate 2 and Table 3-1).

TABLE 3-1 CURRENT LAND OWNERS/USAGE					
AREA	FORMER USAGE	CURRENT OWNERS	CURRENT USAGE	ACREAGE	COMMENTS
A	Bomb Target	BLM	Undeveloped Cattle Grazing	880	See Plate 2
		State of Washington	Undeveloped Cattle Grazing	40	
		Wenatchee Nature Conservancy	Undeveloped Cattle Grazing	1,200	
		Private Individuals	Homesteads Cattle Grazing	440	
			Total Acreage	2,560	

b. **Climatic Data**

(1) The Cascade Mountains partly shield Douglas County from strong Arctic winds. As a result, winters are cold but generally not too severe. In summer, Pacific Ocean winds are partly blocked; days are hot, but nights are fairly cool. In the winter the average temperatures at Waterville and Wenatchee are 26 and 32 degrees Fahrenheit (F), respectively. The average daily minimum temperature is 17 degrees at Waterville and 25 degrees at Wenatchee. The lowest temperature, 33 degrees, occurred at Waterville on December 30, 1968. In summer the average temperature is 65 degrees at Waterville and 71 degrees at Wenatchee. The average daily maximum temperature is about 83. The highest recorded temperature, 106 degrees, occurred at Wenatchee on July 31, 1971.

(2) The total annual precipitation is 11 inches at Waterville and 9 inches at Wenatchee. Of this, 35 percent usually falls in April through September, which includes the growing season for most crops. The heaviest one day rainfall during the period of record was 2.72 inches at Wenatchee on 18 August 1975. Thunderstorms occur about 7 days each year, mostly in summer.

(3) Average seasonal snowfall is 51 inches at Waterville and 33 inches at Wenatchee. The greatest snow depth at any one time during the period of record was 45 inches at Waterville. On the average, 22 to 25 days have at least 1 inch of snow on the ground, but the number of such days varies greatly from year to year.

(4) The average relative humidity in midafternoon is about 45 percent. Humidity is higher at night, and the average at dawn is about 75 percent. The percentage of possible sunshine is 70 in summer and 30 in winter. The prevailing wind is from the west-northwest. Average wind speed is highest, 9 miles per hour, in spring (reference B-6).

c. Topography

The topography of the site is that of a true coulee, characterized by a dry, deep ravine or gulch, which has been worn away by running water. Two intermittent streams are located in and around the site. The site has a 2 percent slope, allowing for water runoff to nearby McCarteney Creek (reference B-7).

d. Geology and Soils

Two types of soils can be found at the site; they are the Bakeoven-Rock Creek-Lickskillet and the Renslow-Zen.

(1) The Bakeoven-Rock Creek-Lickskillet is characterized by shallow, well drained, gently sloping to moderately steep soils on basalt upland and plateaus, mountain side slopes and ridgetops.

(2) The Renslow-Zen is characterized by very deep, well drained and moderately deep, well drained, nearly level to moderately steep soils on broad basalt plateaus. (reference B-7).

e. Hydrology

Two intermittent streams are located in and around the target site. These streams drain into nearby McCarteney Creek (reference B-7).

f. Natural Resources

Information contained in Table 3-2 on the next page was compiled from the U.S. Department of the Interior, Fish and Wildlife Service. Several species have been identified on or near the former bomb target site. Prior to any intrusive remedial activities, telephone (509) 754-5257 or write the State of Washington, U.S. Fish and Wildlife Service, for the most current information. A complete listing of species indigenous to the area can be seen in Appendix E (see document E-2).

TABLE 3-2 NATURAL RESOURCES		
RESOURCE CLASSIFICATION	TYPE	COMMENT
Animals	Pygmy rabbit Sage grouse	Endangered Federal Candidate
Plants	None Identified	

g. Historical and Cultural Resources and Demographics

(1) The Washington State Historic Preservation Office, upon its review of the site data, stated that there are no known historical or cultural resources on the subject site. However, due to the history of the site, investigations could possibly uncover historical artifacts. Prior to any intrusive remedial activities, telephone (360) 753-4011 or write to the Washington State Historic Preservation Office for current information (reference B-7).

(2) Douglas County covers 1,820.5 square miles with a population of approximately 33,000. Since 2001, the population has increased from 17.91 to 18.46 persons per square mile. Approximately 888 farms of 1,034 acres or more manage the land area. Forty-eight percent of the county is cropland and 49 percent is rangeland.

4. HISTORICAL SITE SUMMARY

a. Chronological Site Summary

(1) In February of 1941, HQ, Second Air Force, Fort George Wright, Washington, having experienced little success conducting practice bombing activities west of the Cascade Mountains, pursued plans to locate and construct precision bombing ranges east of the mountains between

Spokane and McChord Field. The area at Ephrata was carefully considered and was found to be very satisfactory for precision bombing operations for the following reasons: First, the prospective site had an airdrome that could easily be improved and made suitable as a base of operations. Second, the weather conditions in the vicinity were ideal for all types of bombing including bombing at maximum altitude and night bombing. And third, the areas adjacent to the airdrome could also be obtained for the installation of bombing targets. The construction of two bombing targets was contemplated. Plans for the bombing target range would provide for two prefabricated steel towers with observation stations, glass enclosed, large enough to accommodate two range guards, height of towers to be approximately fifty feet (see documents E-3 and E-4).

(2) In June of 1943, the War Department determined the Ephrata Bombing Target Range proposal a military necessity and pursued plans to acquire additional land located in Douglas County, Washington to serve the training needs of Ephrata Army Air Base. This land, which consisted of 2,560 acres in Sections 22, 23, 26 and 27 of Township 25 North, and Range 25 East, was one of the locations selected for the construction of a bombing target range (see document E-5).

(3) In May of 1944, a letter was sent to the Under Secretary of War recommending that the proposed acquisition of Ephrata Bombing Target Range no longer be declared a military necessity. The Secretary of War concurred with same recommendation by follow up endorsement (see document E-6).

(4) All land associated with the bombing target range was authorized for disposal by Real Estate Directive 3032 on 11 May 1944 and released to the Department of the Interior (DOI), Bureau of Land Management (BLM) on 7 June 1944. The BLM accepted return of the land and revoked the temporary use permit on 22 June 1944 (see document G-1).

b. Historic Military Munitions Usage

(1) Research efforts began with a thorough review of all reports, articles, historical documents and reference materials gathered during the archival records search. During the review, an effort was made to focus on areas of potential OE presence as described in the Inventory Project Report (INPR) as well as any additional areas which may have been identified during research concerning this former bombing target (reference B-1).

(2) Sources that were checked in the search for any evidence of OE presence at this former bombing target included:

- (a) National Archives
- (b) Regional Archives
- (c) Military History Institute
- (d) U.S. Army Center for Military History
- (e) Naval Historical Center
- (f) Marine Corps Historical Center
- (g) Explosive Ordnance Disposal Units

For a complete list of sources checked, see Appendices A and B, Sections II and III.

(3) No ordnance related records were discovered which would validate that ordnance was ever used at the proposed range. Records indicate that the former Ephrata Bombing Target Range was never used.

c. Other Potential Areas of Environmental Interest

There are no known environmental hazards at the former bombing target range.

d. Map Analysis

The only historical map discovered by the ASR Research team was a final project map showing land acquisition for the proposed bombing target range (see document G-1).

e. Aerial Photo Interpretation

A 1949 aerial photograph of the proposed bombing target range area was discovered by the research team. The site appears to be a true coulee, formed by erosion from nearby intermittent streams, which drained into nearby McCarteney Creek. Despite its two percent slope, the site still provided a nice flat landscape for a bombing range, and because of the danger of flooding, the area would not have been of much use commercially. No evidence of DOD activity can be seen in the photo (see document F-1).

f. Interviews

(1) Several individuals were interviewed that were able to provide general site and OE related information pertaining to the former Ephrata Bombing Target Range.

(2) Ms. Nancy Warner is Program Manager for the Wenatchee Nature Conservancy, which owns the land where the proposed bombing target range is located. Ms. Warner stated that to the best of her knowledge, nothing was ever done with the site regarding use or improvements (see document H-1).

(3) Mr. Richard Mayer is a local farmer who farms the land where the former bombing target site is located. Mr. Mayer stated that to the best of his knowledge, nothing was ever done with the site. He stated that while farming the land, the only ordnance he ever discovered was small arms ammunition, presumably from hunters (see document H-2).

(4) Mr. Bill Robinson was a soldier who was stationed at Ephrata Air Base during World War II. He stated that he was stationed there for only a short time and had no involvement with the range (see document H-3).

(5) Mr. Mike Donovan had a vivid knowledge of the former bombing target site because he was involved in management of the land after it was released for public use by the Department of Defense. He stated that no improvements were made to the site for use as a bombing target range (see document H-4).

5. SITE ELIGIBILITY

a. Confirmed Formerly Used Defense Sites

(1) The War Department usage of this site is discussed in sections 2a and 3a of this report. The site was acquired by the Department of Defense during the Second World War and remained under their control until site disposal in 1944.

(2) In May of 1944, the former bombing target range was declared excess to the Army's needs and by June of 1944, was released to the Department of the Interior for use by the BLM. Today, no ownership of any part of the former bombing site remains with the Department of Defense (see Table 3-1).

b. Additional Confirmed FUDS Acreage

No other Formerly Used Defense Sites were identified during this investigation.

c. Potential Formerly Used Defense Sites

No potential FUDS sites were identified during the site investigation.

6. VISUAL SITE INSPECTION

a. General Procedures and Safety

(1) On 23 April 2003, members of the ASR research team traveled to the former Ephrata Bombing Target Range, located 21 miles northwest of Ephrata, Douglas County, Washington. The 2,560 acres of public domain, encompasses a portion of Moses Coulee and adjacent uplands. The primary task of the site inspection team was to assess the former site for OE presence. The on-site inspection was limited to

non-intrusive methods in that subsurface sampling was not authorized nor permitted.

(2) Prior to the on-site visit, a thorough review of all available reports, historical documents and available reference material gathered during the archival search was

reviewed to ensure awareness of potential ordnance usage and types.

(3) A site safety plan was developed and was utilized by the assessment team to assure safety from injury during the site inspection (reference B-5). A pre-inspection briefing was conducted which stressed that OE should only be handled by military EOD personnel.

b. Site Inspection Synopsis: Area A

(1) The former bombing target is located in Sections 22, 23, 26, and 27, Township 25 North, Range 25 East, W.M. The range is located in Douglas County, about 21 miles northwest of Ephrata, Washington. The distance from the highway to the edge of the site was approximately one-quarter of a mile. The surrounding land is arid, open range dominated by sagebrush and grasses. The property provides a natural habitat for nature conservation. This property is also used for cattle grazing (see photographs K-1, K-4, K-5, and Plate 2).

(2) The site inspection team examined the site by vehicle and on foot. The team discovered no evidence of a former bombing target range or DOD improvements to the land. The site inspection team did not observe any OE or OE related material in this area (see photographs K-2, K-3, and K-6).

7. SITE OE/CWM TECHNICAL DATA

No ordnance items were identified at the former bombing target range because the site was not used.

8. EVALUATION OF ORDNANCE PRESENCE

a. **General Procedures**

(1) Each sub-site was evaluated to determine confirmed, potential, or no ordnance presence.

(2) Confirmed ordnance and explosives (OE) presence is based on verifiable historical record evidence or direct witness of OE items (with explosive components

and/or inert debris/fragments) since site closure. Additional field data are not needed to identify a confirmed site.

(a) Verifiable historical record evidence is based on OE items actually seen on site since site closure and authenticated by: historical records (Archive Records, Preliminary Assessment Reports, Site Investigation Reports), local fire departments and law enforcement agencies/bombs squads, military Explosive Ordnance Disposal (EOD) Units, newspaper articles, photographs, or maps.

(b) Direct witness of OE items consists of the site inspection team(s) and other credible witnesses as determined by the ASR Research Team Leader (landowners, workers on-site, soldiers who served there, etc.) verifying that they have seen OE presence on the surface or subsurface since site closure.

(3) Potential ordnance and explosives (OE) presence is based on a lack of confirmed OE presence. Potential OE presence is inferred from records, present day site features, non-verifiable direct witness, or indirect witness. Additional field data are needed to confirm potential OE sites.

(a) Inference from historical records is based on no OE items actually seen on site since site closure and would include documentation (records, aerial photographs, maps) indicating possible OE presence derived from common practice in production, storage, use, or disposal at that time and from records indicating known OE usage.

(b) Inference from present day site features would be the indication of possible OE presence from such obvious features as target circles, depressions, mounds/backstops, OB/OD areas/pits, etc.

(c) Indirect witness would be people who have stated that they have heard of OE presence on-site (hear-say evidence).

(4) Sub-sites with no ordnance presence are based on a lack of confirmed or potential ordnance presence. Additional field data are not needed to assess no ordnance sub-sites. There is no evidence to indicate or suggest the existence of present day ordnance. The entire site is considered to have **no ordnance presence**.

b. Site Specific Area: Area A

(1) Several research documents indicated that the War Department had control of the land for a ten month period, but the site was not utilized and no improvements were made. In addition, the site was absent of any former DOD structures, and showed no evidence of former DOD activity. Throughout the archive records search and site inspection, nothing was found to indicate that maximum altitude and night bombing activity ever took place at this former bombing target range. The inspection team noticed a dirt access road leading to but ending a considerable distance from the site. The team surmised that the road was probably used to gain off road access to the cattle that grazed the perimeter of the site.

(2) Based on all research material available, the research team concluded that there has never been any report of anyone finding OE at the site (see documents H-1 through H-4).

**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301**

APPENDIX A

REFERENCE SOURCES AND RECORDS REVIEWED

Reference Sources and Records Reviewed

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
FEDERAL AGENCIES			
Department of Defense			
Defense Technical Information Center and Secure STINET 8725 John J. Kingman Rd. Suite 0944 Fort Belvoir, VA 22060-6218	Computer Search (STINET and DTIC)	(703) 427-8274 (703) 767-8228	On-line computer search. No information relating to site.
Department of Defense Explosives Safety Board (DDESB) Historical Accident Database 2461 Eisenhower Avenue Alexandria, VA 22331-0600	Computer Search	(703) 325-1369	On-line computer search. No information relating to site.
Army			
MANSCEN Library 597 Engineer Loop Bldg 3202, Suite 200 Fort Leonard Wood, MO 65473-8928	Dr. Wright	(573) 563-4109	No information relating to site.
Rock Island Arsenal Museum ATTN: SIORI-CFS-M Building 60 Rock Island, IL 61299-5000	Chris Leinicke	(309) 782-5021	No information relating to site.
JMC History Office ATTN: AMSJM-PA Building 390 Rock Island, IL 61299	George Eaton	(309) 782-1450	No information relating to site.

Reference Sources and Records Reviewed
(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Army (continued)			
U.S. Army SBCCOM ATTN: AMSSB-SCI-H 5232 Fleming Road Aberdeen PG, MD 21010	Kathleen Ciolfi	(410) 436-4430	No information relating to site.
U.S. Army Military History Institute Reference Library 22 Ashburn Drive Carlisle Barracks, Building 22 Carlisle, PA 17013-5008	Louise Friend	(717) 245-3103	No Information relating to site.
U.S. Army Military History Institute Archives 22 Ashburn Drive Carlisle Barracks Carlisle, PA 17013-5008	David Keough	(717) 245-3189	No Information relating to site.
U.S. Army Military History Institute Photo Archives 22 Ashburn Drive Carlisle Barracks Carlisle, PA 17013	Mike Winey	(717) 245-3434	No Information relating to site.
USACE, Seattle District ATTN: CENWS-PM-EM 4735 East Marginal Way South Seattle, WA 98134-2385	Jonathan Maas	(206) 764-6745	PAE, site information provided.

Reference Sources and Records Reviewed

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Army (continued)			
USACE, Seattle District ATTN: CENWS-RE-RO 4735 East Marginal Way South Seattle, WA 98134-2385	Claire Wilson	(206) 764-6745	No information relating to site.
EOD 53 rd Ordnance Company Fifth Avenue, Building 275 Yakima, WA 98901	SGT Bendickson	(509) 577-3376	No information relating to site.
U.S. Army Ordnance Museum ATTN: ATSL-DOS-M Building 2601 Aberdeen PG, MD 21005-5201	Dr. Atwater	(410) 278-3602	No information relating to site.
U.S. Army Center of Military History 103 Third Avenue Fort McNair Washington, D.C. 20319-5008	Staff	(202) 685-2733	See Appendix B, Section II, Parts A and B.
HQ, USACE-Office of History Humphreys Engineer Center Attn: CEHO-ZA 7701 Telegraph Road Alexandria, VA 22310	Staff	(703) 428-6554	See Appendix B, Section II, Parts A and B

Reference Sources and Records Reviewed

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Air Force			
Air University Library 600 Chennault Circle, Building 1405 Maxwell AFB, AL 36112-6424	Reference Services	(334) 953-2888	No information relating to site.
Air Force Historical Research Agency (AFHRA) Information Systems Division 600 Chennault Circle, Bldg. 1405 Maxwell AFB, AL 36112-6424	Sheila Roten Essie Roberts	(334) 953-6884 (334) 953-2439	No information relating to site.
Air Force Historical Research Agency Research Division 600 Chennault Drive, Bldg. 1405 Maxwell AFB, AL 36112-6424	Joe Caver	(334) 953-5834	Provided background information relating to site.
Navy			
Naval Historical Center Washington Navy Yard Naval Aviation History Branch 901 M Street, SE Washington, DC 20374-5060	Staff	(202) 433-4407	See Appendix B, Section II, Parts A and B

Reference Sources and Records Reviewed

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Navy (continued)			
NAVEODTECDIV Technical Library 2008 Stump Neck Road Indianhead, MD 20640-5070	Betty Arbogast Dawn Risko	(301) 743-6834	No information relating to site.
Naval Historical Center Washington Navy Yard Operational Archives 901 M Street, SE Washington, DC 20374-5060	Staff	(202) 433-2833	See Appendix B, Section II, Parts A and B
Marine Corps Historical Center Washington Navy Yard 901 M St., SE, Bldg. 58 Washington, DC 20374-504	Staff	(202) 433-3447	See Appendix B, Section II, Parts A and B
Naval Construction Battalion Center (NCBC) NAVFAC Historian Office CB Logistics Center, Code 09 Building 99 4111 San Pedro Street Port Hueneme, CA 93043	Carol Marsh	(805) 982-5563	No information relating to site.
Naval Facilities Engineering Services (NCBC) Technical Information Center ATTN: Code 72 1100 23rd Avenue Port Hueneme, CA 93043	Brian Thompson	(805) 982-1124	No information relating to site.

Reference Sources and Records Reviewed
(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Navy (continued)			
Naval Historical Center Washington Navy Yard Navy Department Library 901 M St., SE Washington, DC 20374-5060	Staff	(202) 433-4132	See Appendix B, Section II, Parts A and B
U.S. Naval War College Archives 686 Cushing Road Newport, RI 02841-1207	Dr. Evelyn Cherpack	(401) 841-2435	No information relating to site.
U.S. Naval War College Library 686 Cushing Road Newport, RI 02841-1207	Alice Juda Maggie Rauch	(401) 841-4551	No information relating to site.
U.S. Naval War College Museum 686 Cushing Road Newport, RI 02841-1207	Tony Nicolosi Bob Cembrola	(401) 841-4052	No information relating to site.
National Archives and Records Administration			
NARA-Archives I (Old Military and Civil Textual Division) Pennsylvania Avenue and 7th Street, NW Washington, DC 20408	Staff	(202) 208-1903 (202) 208-0370 (202) 219-6273	See Appendix B, Section II, Parts A and B

Reference Sources and Records Reviewed

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
National Archives and Records Administration (continued)			
NARA-Archives II (Cartographic and Architectural Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-7040	See Appendix B, Section II, Parts A and B
NARA-Archives II (Still Picture Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-6660	See Appendix B, Section II, Parts A and B
NARA-Archives II (Motion Picture, Sound, and Video Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-7060	See Appendix B, Section II, Parts A and B
NARA-Pacific Alaska Region (Seattle) 6125 Sand Point Way, NE Seattle, WA 98115	Staff	(206) 526-6501	See Appendix B, Section III, Parts A and B
NARA-Archives II (Textual Reference Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-7250	See Appendix B, Section II, Parts A and B

Reference Sources and Records Reviewed

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
National Archives and Records Administration (continued)			
Washington National Records Center 4205 Suitland Road Suitland, MD 20746-8001	Staff	(301) 457-7190	See Appendix B, Section II, Parts A and B
National Personnel Records Center (Military Personnel Records) 9700 Page Avenue St. Louis, MO 63132-5100	Wilson Sullivan John Daly	(314) 538-9138	See Appendix B, Section III, Parts A and B
Department of Agriculture			
USDA Douglas County Farm Service Agency Waterville Service Center 103 North Baker Street Waterville, WA 98858-0489	Michael T. Rudd	(509) 745-8561	Provided aerial photograph of site.
USDA Natural Resources Conservation Service 103 North Baker Street Waterville, WA 98858-0489	Michelle Mires	(509) 745-8362 Ext. 3	Provided soil survey for Douglas County.
Department of the Interior			
USGS Information Services Box 25286, Bldg 810 Denver Federal Center Denver, CO 80225	Customer Service Doug Carl	(303) 202-4700 (703) 264-3472	Site area topographical maps provided.

Reference Sources and Records Reviewed

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
United States Congress			
Library of Congress Prints and Photographs Division 101 Independence Avenue, SE Washington, DC 20540-4650	Staff	(202) 707-5000	See Appendix B, Section II Parts A and B
Library of Congress Geography and Map Division 101 Independence Avenue, SE Washington, DC 20540-4650	Staff	(202) 707-5000	See Appendix B, Section II Parts A and B
State Agencies			
State Historical Preservation Office (SHPO) Office of Archaeology and Historic Preservation 111 West 21 st Avenue, KL-11 Olympia, WA 98504	Staff	(360) 753-4011	No information relating to site.
Washington Department of Fish And Wildlife (Region 2) 1550 Alder Street NW Ephrata, WA 98823-9699	Staff	(509) 754-4624	Provided natural resources information for Douglas County.
County and Local Agencies			
Douglas County Assessor P.O. Box 387 Waterville, WA 98858	Patrick Dull	(509) 745-8521	Provided deed information on site.
Douglas County Sheriff 110 NE Third Street East Wenatchee, WA 98802	Staff	(509) 745-8564	No information relating to site.

Reference Sources and Records Reviewed
(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
County and Local Agencies (continued)			
The Nature Conservancy 610 N. Mission St. Unit B Wenatchee, WA 98801	Nancy Warner	(509) 665-9595	Owns the land where site is located, but has no knowledge of former site activities.
National			
Coast Defense Study Group, Inc. 731 Baltimore Pike Bel Air, MD 21014	Publication		No information relating to site.
Council on America's Past 518 Why Worry Lane Phoenix, AZ 85021	Heliogram Publication	(800) 396-4693	No information relating to site.
On-line Computer Library Center And First Search 6565 Frantz Road Dublin, OH 43017-3395	Computer Search (OCLC) and (First Search)	(800) 848-5878	No information relating to site.
Scientific and Technical Information Library System Defense Ammunition Center John L. Byrd Jr. Technical Library ATTN: SIOAC-ESM 1 C Tree Road McAlester, OK 74501-9002	Computer Search (STILAS)	(918) 420-8771	On-line computer search. No information relating to site.

**ORDNANCE AND EXPLOSIVES
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APPENDIX B

REFERENCES AND ABSTRACTS

APPENDIX B

REFERENCES AND ABSTRACTS

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	Part A: Positive Reports
	Part B: Negative Reports
SECTION III	Regional National Archives Search References
	Part A: Positive Reports
	Part B: Negative Reports

APPENDIX B

SECTION I

REFERENCES AND ABSTRACTS

- B-1. U.S. Army Corps of Engineers, Seattle District, DERP-FUDS Preliminary Assessment of Eligibility, Ephrata Bombing Target Range (E-1).
- B-2. Memorandum, U.S. Army Corps of Engineers, North Pacific Division, Portland Oregon, subject: Ephrata Bombing Target Range, P/N: F10WA028300, 22 January 1990.
- B-3. Memorandum, U.S. Army Corps of Engineers, North Pacific Division, Portland Oregon, subject: Defense Environmental Restoration Program (DERP); Approval of Negative Inventory Project Reports (INPRs), 22 January 1990.
- B-4. U.S. Army Corps of Engineers, Rock Island District Main Site Safety Plan, CENCR-ED-DN, 25 June 1992.
- B-5. Site Specific Safety and Health Plan #A-296 for Ephrata Bombing Target Range, 14 April 2003.
- B-6. Climate of Douglas County, U.S. Department of Agriculture Soil Conservation Service, Soil Survey of Douglas County Washington Area, November 1981.
- B-7. U.S. Department of Agriculture Soil Conservation Service, Soil Survey of Douglas County Washington Area, November 1981.
- B-8. U.S. Department of the Interior, U.S. Fish and Wildlife Service, Threatened and Endangered Species System (TESS), 5 June 2003 (E-2).
- B-9. State of Washington, Douglas County Natural Resources, available on website at: http://www.douglascountywa.net/departments/tls/nat_res.html, 5 June 2003.
- B-10. Document, Correspondence Relative to Status of Ephrata Air-to-Ground Gunnery Range, 1-26 October 1945, NARA, Archives II, RG 18 (Records of the Army Air Corps), Entry 1A: Formerly Security Classified Decimal File, 1944-1948, Box 288.

B-11. Document, Letters, General Orders, and Map Section Relative to Locations of Moses Lake Army Airbase and Ephrata Army Airbase Bombing Ranges, 22 September 1944-18 January 1945, NARA, Archives II, RG 18 (Records of the Army Air Corps), Entry 1A: Formerly Security Classified Decimal File, 1944-1948, Box 288.

B-12. Document, Letter Relative to U.S. Army Air Force Bombing and Gunnery Range Status and Requirements, Including Ephrata Army Airbase, Ephrata, Washington, 13 June 1944, NARA, Archives II, RG 18 (Records of the Army Air Corps), Entry 2A: Air Adjutant General, Unclassified Decimal File, 1944-1946, Box 2248.

B-13. Document, Real Property Inventory-Second Air Force Bombing and Gunnery Ranges, 20 Jan 1944, NARA, NPRC (St. Louis, MO), RG 342, Entry 06-48-26-2-5, Boxes 39 and 53.

B-14. Document, Second Air Force Bombing and Gunnery Ranges, August 1943, NARA, NPRC (St. Louis, MO), RG 342, Entry 18-44-A-6003.

B-15. Document, Second Air Force Bombing and Gunnery Range Requirements, 30 May 1943, NARA, NPRC (St. Louis, MO), RG 342, Entry 18-44-A-6003.

B-16. Document, Correspondence Relative to Real Estate Acquisition, Ephrata Pattern Bombing Range-Douglas County, Washington, 29 April-2 June 1943, NARA, Archives II, RG 18 (Records of the Army Air Corps), Entry 292A: Central Decimal File, October 1942-May 1944, Box 1488.

B-17. Document, Letters Relative to Real Estate Acquisition, Ephrata Army Airfield Precision Bombing Range, 12 April-22 July 1943, NARA, Archives II, RG 18 (Records of the Army Air Corps), Entry 292A: Central Decimal File, October 1942-May 1944, Box 1488.

B-18. Document, Letters Relative to Incendiary Bomb Storage, Ephrata Airbase No. 2, 11-19 August 1942, NARA, Archives II, RG 18 (Records of the Army Air Corps), Entry 295: Correspondence Relating to Airfields, 1939-1942, Box 1414.

B-19. Document, Appraisal Report, Bombing Range No. 2 Tract in Vicinity of Ephrata, Washington, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-20. Document, Correspondence Relative to Appraisal of Property, Ephrata Practice Bombing Range, 24-26 July 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-21. Document, Correspondence Relative to Real Estate Acquisition, Ephrata Bombing Range No. 1, 11-27 September 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-22. Document, Correspondence Relative to Real Estate Acquisition, Ephrata Bombing Range, 30 October-14 November 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-23. Document, Correspondence Relative to Real Estate Acquisition, Local Practice Bombing Range in Vicinity of Ephrata, Washington, 17 June-10 July 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-24. Document, Endorsement Relative to Real Estate Acquisition, Ephrata Bombing Range, 15 October 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-25. Document, Correspondence Relative to Real Estate Acquisition, Ephrata Bombing Range, 30 October-14 November 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-26. Document, Endorsement Relative to Real Estate Acquisition, Ephrata Bombing Range, 15 October 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-27. Document, Letter and Endorsement Relative to Ephrata Practice Bombing Range Property Appraisal, 11-14 July 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of

Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-28. Document, Endorsements Relative to Real Estate Acquisition, Ephrata Bombing Range, 30 September-2 October 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-29. Document, Letter and Endorsement Relative to Real Estate Acquisition, Ephrata Bombing Range, 7-9 October 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-30. Document, Letter and Endorsements Relative to Real Estate Acquisition, Local Practice Bombing Range in Vicinity of McChord Field and Sunset Field, 8 May-5 June 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-31. Document, Letter Relative to Funding Requirement for Real Estate Acquisition, Ephrata Bombing Range, 16 July 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-32. Document, Ordnance Logistical Plan for Concentration of Air Force Combat Command in Pacific Northwest Area, 3 July 1941, NARA, NPRC (St. Louis, MO), RG 342, Entry 18-44-A-6003.

B-33. Document, Letter Relative to Real Estate Acquisition, Ephrata Bombing Range, 7 October 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-34. Document, Letter Relative to Real Estate Acquisition, Ephrata Practice Bombing Range, 23 August 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-35. Document, Memorandum Relative to Real Estate Acquisition, Ephrata Bombing Range, 11 September 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-36. Document, Army Air Bases of the Second Air Force, 910th Engineer A.F.HQ. CO. in Collaboration with Engineer Section, Second Air Force, 1 September 1943.

B-37. Document, Telegram Relative to Funding for Airport Construction In Vicinity of Ephrata, Washington, 18 June 1941, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 106B: General Correspondence, 1918-1945, Box 823.

B-38. Document, Air Corps Site Selection Board Report, Ephrata No. 2 Airfield, Grant County, Washington, no date, NARA, Archives II, RG 77 (Records of the Office of the Chief of Engineers), Entry 1011: Security Classified Subject Files, 1940-1945, Box 390.

B-39. Document, Memoranda Relative to Real Estate Acquisition, Ephrata Army Airfield Precision Bombing Range, 30 April-19 July 1943, NARA, Archives II, RG 107 (Records of the Office of the Secretary of War), Entry 211: Establishment of Airfields and Airbases, 1940-1945, Box 213.

B-40. Document, Letter Relative to Assignment of Installations and Airdrome at Ephrata, Washington to Second Air Force, 2 June 1942, NARA, Archives II, RG 107 (Records of the Office of the Secretary of War), Entry 213: Office, Assistant Secretary of War for Air, Robert A. Lovett, Decimal File, 1940-1945, Box 30.

B-41. Document, Table, Army Air Force Additional Range Requirements, Including Ephrata, Washington, no date, NARA, Archives II, RG 107 (Records of the Office of the Secretary of War), Entry 213: Office, Assistant Secretary of War for Air, Robert A. Lovett, Decimal File, 1940-1945, Box 30.

B-42. Document, Memorandum Relative to Disposal of Surplus Real Property, Ephrata Air Force Base, 5 August 1952, NARA, Archives II, RG 291 (Records of the Office of the Federal Property Resources Service), Entry 5: Real Property Disposal Case Files, 1962, Box 201.

B-43. Document, Report of Excess Real Property with Attached Table, "Buildings, Structures, Utilities, and Miscellaneous Facilities", Ephrata Air Force Base, Washington State, 20 May 1950, NARA, Archives II, RG 291 (Records of the Federal Property Resources Service), Entry 5: Real Property Disposal Case Files, 1962, Box 201.

B-44. Document, Realty Control File Summary Sheet, subject: Ephrata Bombing Target Range, Washington State, no date, USACE, Office of History, Real Estate Collection.

B-45. Document, Oversize Map, Real Estate, Ephrata Bombing Ranges 1,2,3 and 4, 27 July 1943, NARA, Archives II, Cartographic Branch, RG 77 (Records of the Office of the Chief of Engineers), Real Estate Division.

B-46. Documents, Various Correspondence, Ephrata Bombing Target Range, 6 February 1941 - 20 August 1941, NARA, NPRC (St. Louis, MO), RG 342, Entry 44A-6003, Box 40 (E-3, E-4).

B-47. Document, History of Army Air Base, Ephrata, Washington, 19 June - 31 December 1942, AFHRA, Montgomery, AL, Entry 282.78, Reel #B2182.

B-48. Document, History of Army Air Base, Ephrata, Washington, 1 October - 31 October 1944, AFHRA, Montgomery, AL, Entry 282.76, Reel #B2183.

B-49. Document, History of The Second Bombardment Group (H), 24 September 1942 - 31 October 1943, AFHRA, Montgomery AL, Entry GP-2-HI-C (Bomb), Reel #B0040.

B-50. Document, Proposed Army Air Base Located Near Ephrata, Grant County, Washington, 1940, NARA, NPRC (St. Louis, MO), RG 342, Entry 18-44A-6003, Boxes 41 and 53.

B-51. Memorandum, War Department, Office of the Chief of Engineers, Washington, subject: Acquisition of Land for Bombing Target Range, Ephrata Airfield, Washington, 15 June 1943 (E-5).

B-52. First Endorsement, War Department, Office of the Chief of Engineers, Washington, subject: Acquisition of Land for Bombing Target Range, Ephrata Airfield, Washington, 15 June 1943 (E-5).

B-53. Third and Fourth Endorsements, War Department, Office of the Chief of Engineers, Washington, subject: Cancellation of Land Acquisition - Area Bombing Target, 11 May 1944 (E-6).

B-54. Memorandum, Headquarters, Fourth Air Force, Office of the Commanding General, San Francisco, California, subject: Disposition of Ephrata, 20 February 1945.

B-55. Document, War Department, Headquarters Army Services Forces, subject: Real Property Management and Disposal Report, 15 May 1953.

B-56. Document, Headquarters, Fourth Air Force, Statistical Control Office, San Francisco, California, subject: All Aircraft Accidents, May 1945.

B-57. Document, subject: Sections 22, 23, 26, and 27 Ownership Information, Douglas County Assessor, 3 February 2003 (E-7).

B-58. Range Rule Data Collector, U.S. Army Corps of Engineers, St. Louis District, St. Louis, MO (D-1, D-2).

B-59. TM 9-1904, Ammunition Inspection Guide, War Department, Washington, 2 March 1944.

B-60. Final Project Map, Ephrata Bombing Target Range, NARA, NPRC (St. Louis), 11 May 1944, NARA, NPRC (St. Louis, MO), RG 342, Entry 18-44A-6003, Box 40 (G-1).

B-61. Department of the Army, Technical Manual, OP 1664, U.S. Explosive Ordnance, 28 May 1947.

B-62. Department of the Army, Technical Manual, TM 9-1325-200, Bombs and Bomb Components, April 1966.

B-63. Forgotten Fields of America, World War II Bases and Training, THEN and NOW, Lou Thole, Pictorial Histories Publishing Company, Inc., 1996.

B-64. State of Washington, Washington Department of Fish and Wildlife Region 2, available on website at:
<http://www.wa.gov/wdfw/reg/region2.htm>, 5 June 2003.

B-65. Aerial Photograph, U.S. Department of Agriculture, Douglas County Farm Service Agency, Waterville, Washington, 29 July 1949.

SECTION II

NATIONAL CAPITOL REGION ARCHIVES FINDINGS

PART A

POSITIVE FINDINGS

EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON

SECTION II
NATIONAL CAPITAL REGION ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

EPHRATA BOMBING TARGET RANGE, WA

Also Researched Under: Douglas County, WA, Ephrata, WA; Ephrata Army Airfield, WA; Ephrata Army Airbase, WA; Sunset Field, WA; and McChord Army Airfield, WA

**NARA - ARCHIVES II - TEXTUAL BRANCH
COLLEGE PARK, MD**

RG 18 (Records of the Army Air Corps)

Entry 1A: Formerly Security Classified Decimal File, 1944 - 1948

Box 288

Correspondence Relative to Status of Ephrata Air - to - Ground Gunnery Range, 1 - 26 October 1945

Entry 1A: Formerly Security Classified Decimal File, 1944 - 1948

Box 288

Letters, General Orders, and Map Section Relative to Locations of Moses Lake Army Airbase and Ephrata Army Airbase Bombing Ranges, 22 September 1944 - 18 January 1945

Entry 2A: Air Adjutant General, Unclassified decimal File, 1944 - 1946

Box 2248

Letter Relative to U.S. Army Air Force Bombing and Gunnery Range Status and Requirements, Including Ephrata Army Airbase, Ephrata, Washington, 13 June 1944

Entry 292A: Central Decimal File, October 1942 - May 1944

Box 1488

Correspondence Relative to Real Estate Acquisition, Ephrata Pattern Bombing Range - Douglas County, Washington, 29 April - 2 June 1943

EPHRATA BOMBING TARGET RANGE, WA

Entry 292A: Central Decimal File, October 1942 - May 1944
Box 1488

Letters Relative to Real Estate Acquisition, Ephrata
Army Airfield Precision Bombing Range, 12 April -
22 July 1943

Entry 295: Correspondence Relating to Airfields, 1939 - 1942
Box 1414

Letters Relative to Incendiary Bomb Storage, Ephrata
Airbase No. 2, 11 - 19 August 1942

RG 77 (Records of the Office of the Chief of Engineers)

Entry 106B: General Correspondence, 1918 - 1945
Box 823

Appraisal Report, Bombing Range No. 2 Tract in Vicinity
of Ephrata, Washington

Entry 106B: General Correspondence, 1918 - 1945
Box 823

Correspondence Relative to Appraisal of Property,
Ephrata Practice Bombing Range, 24 - 26 July 1941

Entry 106B: General Correspondence, 1918 - 1945
Box 823

Correspondence Relative to Real Estate Acquisition,
Ephrata Bombing Range No. 1, 11 - 27 September 1941

Entry 106B: General Correspondence, 1918 - 1945
Box 823

Correspondence Relative to Real Estate Acquisition,
Ephrata Bombing Range, 30 October - 14 November 1941

Entry 106B: General Correspondence, 1918 - 1945
Box 823

Correspondence Relative to Real Estate Acquisition,
Local Practice Bombing Range in Vicinity of Ephrata,
Washington, 17 June - 10 July 1941

Entry 106B: General Correspondence, 1918 - 1945
Box 823

Endorsement Relative to Real Estate Acquisition, Ephrata
Bombing Range, 15 October 1941

EPHRATA BOMBING TARGET RANGE, WA

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Endorsements Relative to Real Estate Acquisition,
Ephrata Bombing Range, 30 September - 2 October 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Letter and Endorsement Relative to Ephrata Practice
Bombing Range Property Appraisal 11 - 14 July 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Letter and Endorsement Relative to Real Estate
Acquisition, Ephrata Bombing Range, 7 - 9 October 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Letter and Endorsements Relative to Real Estate
Acquisition, Local Practice Bombing Range in Vicinity of
McChord Field and Sunset Field, 8 May - 5 June 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Letter Relative to Funding Requirement for Real Estate
Acquisition, Ephrata Bombing Range, 16 July 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Letter Relative to Real Estate Acquisition, Ephrata
Bombing Range, 7 October 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Letter Relative to Real Estate Acquisition, Ephrata
Practice Bombing Range, 23 August 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Memorandum Relative to Real Estate Acquisition, Ephrata
Bombing Range, 11 September 1941

Entry 106B: General Correspondence, 1918 - 1945

Box 823

Telegram Relative to Funding for Airport Construction In
Vicinity of Ephrata, Washington, 18 June 1941

EPHRATA BOMBING TARGET RANGE, WA

Entry 1011: Security Classified Subject Files, 1940 - 1945
Box 390
Air Corps Site Selection Board Report, Ephrata No.
2 Airfield, Grant County, WA

RG 107 (Records of the Office of the Secretary of War)

Entry 211: Establishment of Airfields and Airbases, 1940 -
1945
Box 213
Memoranda Relative to Real Estate Acquisition, Ephrata
Army Airfield Precision Bombing Range, 30 April - 19
July 1943

Entry 213: Office, Assistant Secretary of War for Air, Robert
A. Lovett, Decimal File, 1940 - 1945
Box 30
Letter Relative to Assignment of Installations and
Airdrome at Ephrata, Washington to Second Air Force,
2 June 1942

Entry 213: Office, Assistant Secretary of War for Air, Robert
A. Lovett, Decimal File, 1940 - 1945
Box 30
Table, Army Air Force Additional Range Requirements,
Including Ephrata, Washington

RG 291 (Records of the Federal Property Resources Service)

Entry 5: Real Property Disposal Case Files, 1962
Box 201
Memorandum Relative to Disposal of Surplus Real
Property, Ephrata Air Force Base, 5 August 1952

Entry 5: Real Property Disposal Case Files, 1962
Box 201
Report of Excess Real Property with Attached Table,
"Buildings, Structures, Utilities, and Miscellaneous
Facilities," Ephrata Air Force Base, Washington State,
20 May 1950

NARA - ARCHIVES II - CARTOGRAPHIC BRANCH
COLLEGE PARK, MD

RG 77 (Records of the Office of the Chief of Engineers)

Real Estate Division

Oversize Map, Real Estate Ephrata Bombing Ranges Numbers
1, 2, 3 and 4, 27 July 1943

US ARMY CORPS of ENGINEERS - OFFICE OF HISTORY
ALEXANDRIA, VA

Real Estate Collection

Realty Control File Summary Sheet

Ephrata Bombing Target Range, Washington State

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PART B

NEGATIVE FINDINGS

EPHRATA BOMBING TARGET RANGE
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SECTION II
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PART B
NEGATIVE FINDINGS

EPHRATA BOMBING TARGET RANGE, WA

Also Researched Under: Douglas County, WA, Ephrata, WA;
Ephrata Army Airfield, WA; Ephrata Army Airbase, WA; Sunset
Field, WA; and McChord Army Airfield, WA

**CENTER OF MILITARY HISTORY - HISTORICAL RESEARCH
BRANCH
WASHINGTON, DC**

Historical Data Cards
Posts, Camps, and Stations File
WW II Posts, Camps, and Stations

**LIBRARY OF CONGRESS - GEOGRAPHY AND MAP DIVISION
WASHINGTON, DC**

Sanborn Map Collection
US Department of the Interior, Geological Surveys

**LIBRARY OF CONGRESS - PRINTS AND PHOTOGRAPHS
DIVISION
WASHINGTON, DC**

Divisional Catalogues
Geographic Catalogues
HABS/HAER
Stereographic Catalogues
Subject Catalogues
Videodisk Collection

**NARA - ARCHIVES I
WASHINGTON, DC**

RG 49 (Records of the Bureau of Land Management)
Entry: Land Entry Papers

EPHRATA BOMBING TARGET RANGE, WA

RG 153 (Records of the Office of the Judge Advocate
General)

Entry: Reservations File, 1800 - 1950

NARA - ARCHIVES II - TEXTUAL BRANCH
COLLEGE PARK, MD

RG 16 (Records of the Department of Agriculture)

Entry 17: General Correspondence of the Office of the
Secretary of Agriculture, 1906 - 1965

RG 18 (Records of the Army Air Force)

Entry 2C: Unclassified Decimal File, 1947 - 1948

Entry 46: The Air Inspector Decimal File, 1945 - 1947

Entry 290: Central Decimal Files, 1939 - 1942

Entry 292: Unclassified Central Decimal Files, October
1942 - 1944

Entry 292B: Unclassified Central Decimal Files, Bulky,
October 1942 - May 1944

Entry 293A: Decimal Files, 1939 - 1942

Entry 293B: Decimal Files, 1939 - 1942

Entry 293C: Decimal Files, Bulky, 1939 - 1942

Entry 294: Security Classified Decimal File, October
1942 - 1944

Entry 294A: Central Decimal Files, October 1942 - 1944

Entry 294B: Central Decimal Files, October 1942 - 1944

RG 30 (Records of the Bureau of Public Roads)

Entry 54: Highway Traffic Advisory Committee to the
Defense Department, 1941 - 1945

RG 48 (Records of the Department of the Interior)

Entry 349B: Central Classified Files, 1937 - 1953

RG 51 (Records of the Office of Management and Budget)

Entry 149A: War Projects Unit, General Files, 1940 -
1945

RG 57 (Records of the United States Geological Survey)

Entry 27: Correspondence and Related Records, 1906 -
1945

RG 69 (Records of the Public Works Administration)

Entry: Central Decimal Files, 1935 - 1944

EPHRATA BOMBING TARGET RANGE, WA

- RG 77 (Records of the Office of the Chief of Engineers)
Accession 52 - 0259
Accession 53 - 0325
Accession 56 - 0398
Accession 62 - 1472
Accession 64 - 2125
Accession 66 - 3183
Accession 67 - 4792
Entry 1023: General Correspondence Relating to
Airfields and Related Facilities, 1940 - 1945
- RG 92 (Records of the Office of the Quartermaster General)
Entry 1892: Classified Geographic File, 1936 - 1945
Entry 1892A: General Correspondence (Geographic File),
1936 - 1945
- RG 107 (Records of the Office of the Secretary of War)
Entry 99: Formerly Top Secret Correspondence of
Secretary of War Stimson (Safe File), 1940 - 1945
Entry 100: Correspondence of Secretary of War Stimson
(Official File), 1940 - 1945
Entry 102: Project Decimal Files, 1943 - 1946
Entry 108: Secretary of the Army (Patterson), General
Decimal File, 1946 - 1947
Entry 110: Office, Administrative Assistant to the
Secretary of War, Decimal File
Entry 158: Special Assistant for Construction - MJ
Madigan, General Correspondence, 1940 - 1945
Entry 159: Special Assistant for Construction - MJ
Madigan, Projects, 1940 - 1945
Entry 168: Office of the Undersecretary of War,
Purchase and Contract Branch, Construction Section,
Subject File, 1940 - 1947
- RG 111 (Records of the Office of the Chief Signal Officer)
Entry 1036B: Historical Files, 1908 - 1962
- RG 112 (Records of the Office of the Surgeon General)
Entry 31: Geographic Series, 1938 - 1946
- RG 121 (Records of the Public Building Service)
Entry 80: Title Papers and Site Registers, 1938 - 1943
- RG 156 (Records of the Office of the Chief of Ordnance)
Entry 36: General Correspondence, 1915 - 1941
Entry 39: Confidential Correspondence, 1917 - 1940

EPHRATA BOMBING TARGET RANGE, WA

- RG 159 (Records of the Office of the Inspector General)
Entry 26: General Correspondence, 1939 - 1947
- RG 160 (Records of the Army Service Forces)
Entry 25: Director of Plans and Operations, Liaison and Control Branch, Subject File, 1942 - 1944
Entry 27: Command Installations Branch, Correspondence File, 1942 - 1946
Entry 138: Readjustment Division, Central Decimal Files, 1943 - 1944
Entry 139: Readjustment Division, Central Decimal Files, 1943 - 1946
Entry 159: Director of Military Training, Training Requirements Division, Historical Branch
- RG 162 (Records of the Federal Works Agency)
Entry 21: Records of the War Public Works Program, 1941 - 1949
- RG 165 (Records of War Department General and Special Staffs)
Entry 258: Reports and Correspondence Relating to Construction, Utilization, and Disposal of Army Installations, 1944 - 1947
Entry 484C: Legislative and Liaison Division, Card Files and Approved WPA National Defense Projects, 1941 - 1942
Entry 484D: Federal Works Agency Project Files, 1940 - 1942
Entry 484E: Security Classified Federal Works Agency Project Files, 1942 - 1945
Entry 484G: Airport Development File, 1940 - 1942
Entry 484H: Civil Aeronautics Administration Airport Development Program, 1940 - 1945
- RG 168 (Records of the National Guard Bureau)
Entry: Army - NGB Decimal File, 1922 - 1962
- RG 175 (Records of the Chemical Warfare Service)
Entry 1: Central Correspondence Files, 1918 - October 1942
Entry 1A: Records of The Office of the Chief Chemical Officer, 1946 - 1954
Entry 2: General Correspondence, 1918 - 1940
Entry 4: General Correspondence, 1918 - 1942

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- RG 218 (Records of the Joint Chiefs of Staff)
Entry: Series 1942 - 1959 (Geographic File)
- RG 269 (General Records of the General Services Administration)
Entry 62: Real Property Disposal Case Files
- RG 270 (Records of the War Assets Administration)
Entry 3: Office of War Information Subject Files, 1946 - 1949
Entry 4: Records of the General Review Board, 1946 - 1948
Entry 8: Records of the Real Property Review Board, 1946 - 1949
Entry 9: Subject File of the Central Office of Real Property, 1946 - 1949
- RG 319 (Records of the Army Staff)
Entry 47: Army Intelligence Project Decimal File, 1941 - 1945
- RG 334 (Records of Interservice Agencies)
Entry 15: Armed Forces Explosives Safety Board
- RG 335 (Records of the Office of the Secretary of the Army)
Entry 60: Assistant Secretary of the Army (Installations and Logistics), General Correspondence, 1963 - 1964
- RG 336 (Records of the Office of the Chief of Transportation)
Entry: Historical Program Files, 1940 - 1950
- RG 337 (Records of Headquarters Army Ground Forces)
Entry 1: Army Field Forces. Headquarters, Chief of Staff, Combat Arms Advisory Group, Inspection Reports, 1948 - 1964
Entry 26A: National Guard Branch, Central Decimal File, 1945 - 1948
Entry 29A: Troop Training Division, Maneuvers, Special Projects, Subject Correspondence File, March 1942 - 1944
Entry 30: G3 Section Inspection Reports
Entry 31: General Staff, Administrative Division, Classified Decimal File, 1949 - 1950
Entry 51A: Headquarters, Special Staff, Budget and Fiscal Section, Subject File, 1941 - 1950

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Entry 55: General Correspondence, 1942 - 1945
Entry 55A: Project Decimal File, March 1942 - 1947
Entry 56: Adjutant General Section, Communications and
Records Division, Decimal File, 1951 - 1952
Entry 57: General Headquarters, U.S. Army, General
Correspondence, 1940 - 1942
Entry 57A: General Headquarters, U.S. Army, 1940 -
1942, Projects

RG 338 (Records of the U. S. Army Commands, 1942 -)

Entry: Posts, Camps, and Stations
Entry: Unit Histories, 1940 - 1947
Entry 24: Western Defense Command, Central
Correspondence, 1942 - 1946
Entry 28002: Records of the Fourth U.S. Army and
Western Defense Command
Entry 28054: 9th Service Command

RG 340 (Records of the Office of the Secretary of the Air
Force)

Entry: Security Classified General Correspondence,
1956 - 1965
Entry 47: Security Classified General Correspondence,
1945 - 1948

RG 341 (Records of Headquarters U.S. Air Force)

Entry 494: Correspondence Relating to Real Estate
Facilities, 1948 - 1955
Entry 495: Records Re: Policy on Construction Matters,
1950 - 1951

RG 394 (Records of U.S. Army Continental Commands, 1920 -
1942)

Entry: Field Installations
Entry 296: 9th Corps Area: General Correspondence of
the Construction Division, 1916 - 1947
Entry 298: 9th Corps Area: Historical Reports
Pertaining to Post Planning, 1899 - 1943

RG 407 (Records of the Adjutant General's Office, 1917 -)

Entry: 1940 - 1945 Army - AG Project Decimal File,
Unclassified
Entry: 1946 - 1948 Army - AG Project Decimal File,
Unclassified
Entry: 1951 - 1952 Army - AG Project Decimal File,
Unclassified

EPHRATA BOMBING TARGET RANGE, WA

Entry 360: 1903 - 1942 Army - AG Project Decimal File,
Formerly Classified
Entry 360: 1943 - 1945 Army - AG Project Decimal File,
Formerly Classified
Entry 360: 1946 - 1947 Army - AG Project Decimal File,
Formerly Classified
Entry 360: 1949 - 1950 Army - AG Project Decimal File,
Formerly Classified
Entry 427: WW II Operations Reports, 1940 - 1948

RG 429 (Records of the Organizations in the Executive
Office of the President)

Entry 12: Central Real Property Surveys

NARA - ARCHIVES II - CARTOGRAPHIC BRANCH
COLLEGE PARK, MD

RG 18 (Records of the Army Air Corps)
RG 30 (Records of the Bureau of Public Roads)
RG 92 (Records of the Office of the Quartermaster General)
RG 145 (Records of the Agricultural Stabilization and
Conservation Service)
RG 373 (Records of the Defense Intelligence Agency)

NARA - ARCHIVES II - MOTION PICTURE, SOUND, AND
VIDEO BRANCH
COLLEGE PARK, MD

RG 69 (Records of the Work Projects Administration)
RG 111 (Records of the Office of the Chief Signal Officer)
RG 200 (National Archives Gift Collection)
RG 335 (Records of the Office of the Secretary of the Army)
RG 342 (Records of U.S. Air Force Commands, Activities, and
Installations)

NARA - ARCHIVES II - STILL PICTURES BRANCH
COLLEGE PARK, MD

RG 18 (Records of the Army Air Force)
RG 30 (Records of the Bureau of Public Roads)
RG 77 (Records of the Office of the Chief of Engineers)
RG 92 (Records of the Office of the Quartermaster General)
RG 111 (Records of the Office of the Chief Signal Officer)
RG 156 (Records of the Office of the Chief of Ordnance)
RG 165 (Records of the War Department General and Special
Staffs)

EPHRATA BOMBING TARGET RANGE, WA

RG 342 (Records of U.S. Air Force Commands, Activities, and Installations)

**U.S. ARMY CORPS OF ENGINEERS - OFFICE OF HISTORY
ALEXANDRIA, VA**

Image Collections
Installation Books
Map Collection
Military Collection
Oral History Collections
Personal Papers Collection

**WASHINGTON NATIONAL RECORDS CENTER
SUITLAND, MD**

RG 77 (Records of the Office of the Chief of Engineers)

Accession 52 - 0117
Accession 52 - 0434
Accession 63 - 1540
Accession 63 - 1551
Accession 64 - 2125
Accession 65 - 3183
Accession 65 - 3184
Accession 68 - 1925
Accession 68 - 1932
Accession 69 - 2580
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Accession 70 - 1100
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Accession 72 - 4035
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Accession 73 - 0041
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Accession 74 - 0028

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SECTION III

REGIONAL NATIONAL ARCHIVES FINDINGS

PART A

POSITIVE FINDINGS

EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON

SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

EPHRATA BOMBING TARGET RANGE

NARA, PACIFIC REGION (LAGUNA NIGUEL)
LAGUNA NIGUEL, CA

RG 181, Records of Naval Districts and Shore Establishments
District Planning Office
Box #38 (N1-9)
Memo, Subject: Status of Naval Air Bases Activities,
1 Feb 1950

NARA, PACIFIC REGION (SAN FRANCISCO)
SAN BRUNO, CA

RG 181, Records of Naval Districts and Shore Establishments
Accession #NN373-91 (181-61-0096)
Public Works Office
Box #2
Memo, Subject: Acquisition of Bombing Target Sites; Request
for, 7 Feb 1951
Memo, Subject: Requirements for Additional Property; Report
of, 9 Feb 1951
Memo, Subject: Acquisition of Bombing Target Sites; Request
for, 27 Feb 1951
Memo, Subject: Acquisition of Bombing Target Sites; Request
for, 13 Mar 1951

Accession #NN373-91 (181-63-0096)
Box #12
Gunnery Range and Target Areas Released Since WWII - 12 ND,
undated
Memo, Subject: Bombing Targets - Dis-establishment of,
8 Jan 1946
Memo, Subject: Revised Planning Estimate for Roll-up of
Continental Air Stations, Satellite and Outlying Fields,
24 Sep 1945, w/enclosure
Memo, Subject: Aviation Bombing Targets, Gunnery and Rocket
Ranges, and Boat Facilities in Excess of Post-War
Aviation Requirements - Comment on, 2 Feb 1946,
w/enclosure
Status of Facilities, Naval Air Bases, 12th ND, 15 Feb 1947

**NARA, NATIONAL PERSONNEL RECORDS CENTER
ST. LOUIS, MO**

RG 342, Records of the U.S. Air Force Commands, Activities, and
Organizations

NPRC Location Number 06-48-26-2-5

Box # 39

Memo, Subject: Notification of Bombing Ranges Use,
6 Oct 1943

Memo, Subject: Real Property Inventory, 27 Jan 1944

Accession # 18-44A-6003

Box #29

Warranty Deed, Ephrata Bombing Range, Grant County,
Washington, 3 Aug 1942

Memo, Subject: Acquisition of Land for Ground Gunnery
Range, Grant County, Washington, 21 Oct 1942

Box #40

Memo, Subject: Progress Report-Ephrata Bombing Range
Project, 6 Feb 1941

Memo, Subject: Bombing Range Installation, 28 Feb 1941

Memo, Subject: Local Practice Bombing Range, 24 Mar 1941

Memo, Subject: Acquisition of Land for Local Practice
Bombing Range, 5 Apr 1941

Memo, Subject: Local Practice Bombing Range, 8 May 1941

Memo, Subject: Local Practice Bombing Range, 17 Jun 1941

Memo, Subject: Aircraft Ammunition Requirements, undated

Chart, Subject: 2nd AF Bombing and Gunnery Ranges,
30 May 1943

Memo, Subject: 2nd AF Bombing and Gunnery Ranges, Aug 1943

Map, Theatre of Operation, undated

Map, Second Air Force, undated

Map, Plate 1-B, Air Force Combat Command, undated

Map, Plate NO 2, Initial Disposition of Tactical Units,
2nd Air Force, undated

Box #41

Report, Subject: Proposed Army Air Base, 30 Jul 1940

Accession # 018-57-H-3001

Box #21

Memo, Subject: Disposition of Ephrata Bombing Target Range,
undated

SECTION III

REGIONAL NATIONAL ARCHIVES FINDINGS

PART B

NEGATIVE FINDINGS

EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON

SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART B
NEGATIVE FINDINGS

EPHRATA BOMBING TARGET RANGE

***NARA, PACIFIC REGION (LAGUNA NIGUEL)
LAGUNA NIGUEL, CA***

RG 30, Records of the Bureau of Public Roads
All Entries
Nothing Found

RG 48, Records of the Office of the Secretary of the Interior
All Entries
Nothing Found

RG 49, Records of the Bureau of Land Management
All Entries
Nothing Found

RG 71, Records of the Bureau of Yards and Docks
All Entries
Nothing Found

RG 77, Records of the Office the Chief of Engineers
All Entries
Nothing Found

RG 156, Records of the Chief of Ordnance
All Entries
Nothing Found

RG 270, Records of the War Assets Administration
All Entries
Nothing Found

RG 336, Records of the Office of the Chief of Transportation
All Entries
Nothing Found

**NARA, NATIONAL PERSONNEL RECORDS CENTER
ST LOUIS, MO**

All Entries
Nothing Found

**NARA, PACIFIC REGION (SAN FRANCISCO)
SAN BRUNO, CA**

RG 30, Records of the Bureau of Public Roads
All Entries
Nothing Found

RG 49, Records of the Bureau of Land Management
All Entries
Nothing Found

RG 77, Records of the Office the Chief of Engineers
All Entries
Nothing Found

RG 103, Records of the Farm Credit Administration
All Entries
Nothing Found

RG 121, Records of the Public Buildings Service
Accession #9NSS-121-87-001
Box #11
Nothing of Value to this ASR Found

RG 127, Records of the U.S. Marine Corps
All Entries
Nothing Found

RG 156, Records of the Office of the Chief of Ordnance
All Entries
Nothing Found

RG 175, Records of the Chemical Warfare Service
All Entries
Nothing Found

RG 181, Records of Naval Districts and Shore Establishments
Accession #93-006 (181-67-0789)
Box #s 1 and 2
Nothing of Value to This ASR Found

Accession #93-007 (181-68-0137)
Box #s 1, 2, and 3
Nothing of Value to This ASR Found

Accession #NN373-91 (181-63-0096)
Box #s 1 thru 11
Nothing of Value to This ASR Found

Accession #NN373-91 (181-61-0096)
Box #s 1 thru 12
Nothing of Value to This ASR Found

RG 219, Records of the Office of Defense Transportation
All Entries
Nothing Found

RG 269, General Records of the General Services Administration
All Entries
Nothing Found

RG 270, Records of the War Assets Administration
All Entries
Nothing Found

**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301**

APPENDIX C

ABBREVIATIONS, ACRONYMS, AND BREVITY CODES

APPENDIX C

ABBREVIATIONS, ACRONYMS, AND BREVITY CODES

AAF	Army Air Field
AR	Army Regulation
BD/DR	Building Demolition/Debris Removal
CG	Commanding General
CEHNC	Corps of Engineers, Engineering & Support Center, Huntsville
CEMVR	Corps of Engineers, Rock Island District
CENWS	Corps of Engineers, Seattle District
CE	Corps of Engineers
CON/HTRW	Containerized Hazardous, Toxic, and Radioactive Waste
CWM	Chemical Warfare Material
DA	Department of the Army
DERP	Defense Environmental Restoration Program
DOD	Department of Defense
EE/CA	Engineering Evaluation/Cost Analysis
EOD	Explosive Ordnance Disposal
FDE	Findings and Determination of Eligibility
FUDS	Formerly Used Defense Sites
GSA	General Services Administration
HE	High Explosive
HTRW	Hazardous, Toxic and Radiological Waste
INPR	Inventory Project Report
IRA	Interim Removal Action
JEDMICS	Joint Engineering Drawings Management Information Control System
NARA	National Archives Records Administration
NDAI	No DOD Action Indicated
OE	Ordnance and Explosives
PAE	Preliminary Assessment of Eligibility
RA	Remedial Action
RAC	Risk Assessment Code
RG	Record Group
RPA	Real Property Accountability
SI	Site Inspection/Investigation
SOSAC-ESL	U.S. Army Technical Center for Explosives Safety, Ordnance Explosives Environmental Division
USACE	U.S. Army Corps of Engineers
UXO	Unexploded Ordnance
WAA	War Assets Administration
WD	War Department

**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301**

APPENDIX D

ORDNANCE TECHNICAL DATA SHEETS

(NOT USED)

**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301**

APPENDIX E

TEXTUAL REFERENCES

APPENDIX E

TEXTUAL REFERENCES

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E-1	PAE (B-1).
E-2	Washington State Threatened and Endangered Species (B-8).
E-3	Ephrata, Washington proposal as location for bombing targets (B-46).
E-4	Progress report on land acquisition for bombing targets (B-46).
E-5	Land acquisition recommendation - Area Bombing Target, Ephrata, Washington (B-51, B-52).
E-6	Cancellation of land acquisition - Area Bombing Target, Ephrata, Washington (B-53).
E-7	Site ownership information (B-57).

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FOR FORMERLY USED SITES
FINDINGS AND DETERMINATIONS OF ELIGIBILITY
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NO. F10WA028300

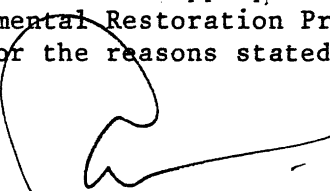
FINDINGS OF FACT

1. The Ephrata Bombing Target Range, located in Sections 22, 23, 26, and 27 of Township 25 North, Range 25 East, Willamette Meridian, is approximately 21 miles northwest of Ephrata, Douglas County, Washington.
2. The facility consisted of 2,560.00 acres of public domain land held under temporary use permit dated 10 August 1943 from the Department of Interior, Bureau of Land Management (BLM)) to the Department of the Army, Army Air Forces, for use as a bombing range.
3. The range was never used for any purpose nor were any improvements made to the property.
4. In 1944, it was determined that a military necessity no longer existed for the 2,560.00 acres and it was requested that the use permit be cancelled. The lands were subsequently relinquished to the BLM by letter dated 7 June 1944 from the Secretary of War. The BLM accepted return of the lands and revoked the temporary use permit by letter dated 22 June 1944. Current ownership is BLM (840 acres), Contran Corporation (1090 acres), Washington State (40 acres), Douglas County (160 acres), and private individuals (430 acres).
5. There is no evidence of unsafe structures or debris, hazardous or toxic waste, or unexploded ordnance resulting from DOD use of this site.

DETERMINATION

Based on the foregoing findings of fact, the site has been determined to have been formerly controlled by the DOD. However, there is no evidence of unsafe conditions resulting from DOD use of the site. Therefore, it is determined that an environmental restoration project is not an appropriate undertaking within the purview of the Defense Environmental Restoration Program, established under 10 USC 2701 et. seq., for the reasons stated above.

1/19/90
DATE


PAT M. STEVENS IV
Brigadier General, USA
Commanding



WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

Species of Concern

State Endangered Species

"Any wildlife species native to the state of Washington that is seriously threatened with extinction throughout all or a significant portion of its range within the state."

WAC 232-12-297, Section 2.4

Search Species Lists

SORT RESULTS BY:

- ☒ Common Name
- ☐ Scientific Name
- ☐ Animal Type

Search Listings

Advanced Search

Species of Concern Lists

- [Endangered Species](#)
- [Threatened Species](#)
- [Sensitive Species](#)
- [State Candidate Species](#)

- [Complete SOC List](#)
- [Main SOC Page](#)

Status Codes:

EX: Extirpated

FE: Federal Endangered

FT: Federal Threatened

FC: Federal Candidate

FCo: Federal Species of Concern

SE: State Endangered

ST: State Threatened

SC: State Candidate

SS: State Sensitive

SM: State Monitor

None: No listing status

None*: This species has no state listing status, but it is classified

as protected wildlife.

State Endangered Species

Current through June, 2002

COMMON NAME	SCIENTIFIC NAME	ANIMAL
NORTHERN LEOPARD FROG	<i>RANA PIPIENS</i>	Amphibia
OREGON SPOTTED FROG	<i>RANA PRETIOSA</i>	Amphibia
AMERICAN WHITE PELICAN	<i>PELECANUS ERYTHORHYNCHOS</i>	Bird
BROWN PELICAN	<i>PELECANUS OCCIDENTALIS</i>	Bird
SANDHILL CRANE	<i>GRUS CANADENSIS</i>	Bird
SNOWY PLOVER	<i>CHARADRIUS ALEXANDRINUS</i>	Bird
SPOTTED OWL	<i>STRIX OCCIDENTALIS</i>	Bird
UPLAND SANDPIPER	<i>BARTRAMIA LONGICAUDA</i>	Bird
MARDON SKIPPER	<i>POLITES MARDON</i>	Butterfly
OREGON SILVERSPOT BUTTERFLY	<i>SPEYERIA ZERENE HIPPOLYTA</i>	Butterfly
BLACK RIGHT WHALE	<i>BALAENA GLACIALIS</i>	Mammal
BLUE WHALE	<i>BALAENOPTERA MUSCULUS</i>	Mammal
COLUMBIAN WHITE-TAILED DEER	<i>ODOCOILEUS VIRGINIANUS LEUCURUS</i>	Mammal
FIN WHALE	<i>BALAENOPTERA PHYSALUS</i>	Mammal
FISHER	<i>MARTES PENNANTI</i>	Mammal
GRAY WOLF	<i>CANIS LUPUS</i>	Mammal
GRIZZLY BEAR	<i>URSUS ARCTOS</i>	Mammal
HUMPBACK WHALE	<i>MEGAPTERA NOVAEANGLIAE</i>	Mammal
PYGMY RABBIT	<i>BRACHYLAGUS IDAHOENSIS</i>	Mammal
SEA OTTER	<i>ENHYDRA LUTRIS</i>	Mammal
SEA OTTER	<i>ENHYDRA LUTRIS LUTRIS</i>	Mammal
SEI WHALE	<i>BALAENOPTERA BOREALIS</i>	Mammal
SPERM WHALE	<i>PHYSETER MACROCEPHALUS</i>	Mammal
WOODLAND CARIBOU	<i>RANGIFER TARANDUS</i>	Mammal
LEATHERBACK SEA TURTLE	<i>DERMOCHELYS CORIACEA</i>	Reptile
WESTERN POND TURTLE	<i>CLEMMYS MARMORATA</i>	Reptile

Find a bug or error in the system? [Let us know about it!](#)

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E-mail webmaster@dfw.wa.gov



WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

Species of Concern

Search Species Lists

Search Results

SORT RESULTS BY:

- ☒ Common Name
☐ Scientific Name
☐ Animal Type

[Search Listings](#)
[Advanced Search](#)

Species of Concern Lists

- [Endangered Species](#)
- [Threatened Species](#)
- [Sensitive Species](#)
- [State Candidate Species](#)

- [Complete SOC List](#)
- [Main SOC Page](#)

Status Codes:

EX: Extirpated
 FE: Federal Endangered
 FT: Federal Threatened
 FC: Federal Candidate
 FCo: Federal Species of Concern
 SE: State Endangered
 ST: State Threatened
 SC: State Candidate
 SS: State Sensitive
 SM: State Monitor
 None: No listing status
 None*: This species has no state listing status, but it is classified as protected wildlife.

Mapping Criteria Codes:

(listed in order of decreasing specificity)
 B: Breeding Location (Nest or Den)
 CR: Communal Roost
 RC,RLC,RSC: Regular (Large or Small) Concentration
 RI: Regular Individual
 IO: Individual Occurrence
 (If a less specific criterion is listed, then the more specific criteria are implied as well)

COMMON NAME	SCIENTIFIC NAME	ANIMAL TYPE	FEDERAL STATUS
ALEUTIAN CANADA GOOSE	BRANTA CANADENSIS LEUCOPAREIA	Bird	FCo
BALD EAGLE	HALIAEETUS LEUCOCEPHALUS	Bird	FT
FERRUGINOUS HAWK	BUTEO REGALIS	Bird	FCo
GREEN SEA TURTLE	CHELONIA MYDAS	Reptile	FT
LOGGERHEAD SEA TURTLE	CARETTA CARETTA	Reptile	FT
LYNX	LYNX CANADENSIS	Mammal	FT
MARBLED MURRELET	BRACHYRAMPHUS MARMORATUS	Bird	FT
SAGE-GROUSE	CENTROCERCUS UROPHASIANUS	Bird	FC
SHARP-TAILED GROUSE	TYMPANUCHUS PHASIANELLUS	Bird	FCo
STELLER SEA LION	EUMETOPIAS JUBATUS	Mammal	FT
WESTERN GRAY SQUIRREL	SCIURUS GRISEUS	Mammal	FCo

U.S. Fish & Wildlife Service

Threatened and Endangered Species System (TESS)

Listings by State and Territory as of 06/05/2003

Washington

Notes:

- *Displays one record per species or population.*
- *Includes experimental populations and similarity of appearance listings.*
- *The range of a listed population does not extend beyond the states in which that population is defined.*
- *Includes non-nesting sea turtles and whales in State/Territory coastal waters.*
- *Includes species or populations under the sole jurisdiction of the National Marine Fisheries Service.*

Go to the [Threatened and Endangered Wildlife and Plants Page](#)

Go to the [TESS Home Page](#)

Back to [Table of Contents](#)

- *Click on the highlighted scientific names below to view a Species Profile for each listing.*

Washington -- 41 listings

Animals -- 31

Status Listing

E	Albatross, short-tailed (Phoebastria (=Diomedea) albatrus)
T	Bear, grizzly lower 48 States, except where listed as an experimental population (Ursus arctos horribilis)
T	Butterfly, Oregon silverspot (Speyeria zerene hippolyta)
E	Caribou, woodland (ID, WA, B.C.) (Rangifer tarandus caribou)
E	Deer, Columbian white-tailed (Odocoileus virginianus leucurus)
T	Eagle, bald (lower 48 States) (Haliaeetus leucocephalus)
T	Lynx, Canada (lower 48 States DPS) (Lynx canadensis)
T	Murrelet, marbled (CA, OR, WA) (Brachyramphus marmoratus marmoratus)
T	Owl, northern spotted (Strix occidentalis caurina)
E	Pelican, brown (except U.S. Atlantic coast, FL, AL) (Pelecanus occidentalis)
T	Plover, western snowy (Pacific coastal pop.) (Charadrius alexandrinus nivosus)
E	Rabbit, pygmy Columbia Basin DPS (Brachylagus idahoensis)
T	Salmon, chinook (spring/summer Snake R.) (Oncorhynchus (=Salmo) tshawytscha)
T	Salmon, chinook (fall Snake R.) (Oncorhynchus (=Salmo) tshawytscha)
T	Salmon, chinook (spring upper Columbia R.) (Oncorhynchus (=Salmo) tshawytscha)
T	Salmon, chinook (lower Columbia R.) (Oncorhynchus (=Salmo) tshawytscha)
T	Salmon, chinook (Puget Sound) (Oncorhynchus (=Salmo) tshawytscha)
T	Salmon, chum (Columbia R.) (Oncorhynchus (=Salmo) keta)
T	Salmon, chum (summer-run Hood Canal) (Oncorhynchus (=Salmo) keta)
E	Salmon, sockeye U.S.A. (Snake River, ID stock wherever found.) (Oncorhynchus (=Salmo) nerka)
T	Salmon, sockeye U.S.A. (Ozette Lake, WA) (Oncorhynchus (=Salmo) nerka)
T	Sea turtle, green (except where endangered) (Chelonia mydas)
E	Sea turtle, leatherback (Dermochelys coriacea)
T	Sea-lion, Steller (eastern pop.) (Eumetopias jubatus)
E	Steelhead (upper Columbia R. Basin) (Oncorhynchus (=Salmo) mykiss)
T	Steelhead (Snake R. Basin) (Oncorhynchus (=Salmo) mykiss)
T	Steelhead (lower Columbia R.) (Oncorhynchus (=Salmo) mykiss)
T	Steelhead (upper Willamette R.) (Oncorhynchus (=Salmo) mykiss)
T	Trout, bull (U.S.A., conterminous, lower 48 states) (Salvelinus confluentus)

- E Whale, humpback (*Megaptera novaeangliae*)
T Wolf, gray Western Distinct Population Segment (*Canis lupus*)

Plants -- 10

Status Listing

- E Sandwort, Marsh (*Arenaria paludicola*)
T Paintbrush, golden (*Castilleja levisecta*)
E Stickseed, showy (*Hackelia venusta*)
T Howellia, water (*Howellia aquatilis*)
E Desert-parsley, Bradshaw's (*Lomatium bradshawii*)
T Lupine, Kincaid's (*Lupinus sulphureus* (=oreganus) ssp. kincaidii (=var. kincaidii))
T Checker-mallow, Nelson's (*Sidalcea nelsoniana*)
E Checkermallow, Wenatchee Mountains (*Sidalcea oregana* var. *calva*)
T Catchfly, Spalding's (*Silene spaldingii*)
T Ladies'-tresses, Ute (*Spiranthes diluvialis*)
-
-

1st Ind.

(P-1)

HEADQUARTERS NORTHWEST AIR DISTRICT, Felts Field, Parkwater, Washington,
February 28, 1941. - To: Chief Materiel Division, Wright Field, Dayton,
Ohio.

Due to recent activation of this headquarters with its resultant
lack of written instructions, files and background in such matters, basic
communication is forwarded requesting that the information desired therein
be furnished.

For the Commanding General:

W. URBACH,
Captain, A. C. D.,
Asst. Adjutant General.

Hq., 5th Bombardment Wing GHQ AF,
Felts Field, Parkwater, Washington,
February 6, 1941.

Subject: Progress Report--Ephrata Bombing Range Project.

To: Commanding General, Northwest Air District, Felts Field,
Parkwater, Washington.

1. In compliance with verbal instructions from the Commanding General, Northwest Air District, a conference was held with representatives of the Works Projects Administration, Mr. C. T. Wende, Field Engineer, and Mr. H. K. Cox, District Director of Operations, on improvements of the Ephrata airdrome for use by Air Corps units in the conduct of bombing operations. Progress of Ephrata project is as set forth below.

a. RESUME OF EPHRATA PROJECT: The combat efficiency of units of McChord Field have been seriously impaired through the lack of suitable bombing ranges. Attempts have been made to operate on a range at Fort Lewis but the results have been so unsatisfactory because of inclement weather that further use of a range located west of the mountains is not deemed practicable. Recently, the use of any part of the Fort Lewis reservation by the Air Corps has been banned by the Commanding General at Fort Lewis. The 17th Bombardment Group has been forced to use the bombing facilities at Hamilton Field and Muroc Dry Lake in order to maintain a semblance of combat efficiency. The use of Hamilton Field and Muroc Lake has been generally unsatisfactory due to the congestion at these points and the distances from McChord Field. An investigation of the records of the Analytical Section, Air Corps Board, Maxwell Field, shows that the 17th Bombardment Group is rated as one of the poorest bombing groups in the GHQ AF as far as bombing results are concerned. The 89th Reconnaissance Squadron has dropped no bombs since arrival at McChord Field. Unable to locate satisfactory bombing ranges west of the mountains, a survey was made of the area between Spokane and McChord Field. The area at Ephrata was carefully considered and was found to be very satisfactory for the following reasons: (1) It has an airdrome that can easily be improved and made suitable as a base of operations. (2) The weather conditions in the vicinity are ideal for all types of bombing including bombing

EB 7 941

at maximum altitude and night bombing. (3) The areas adjacent to the airdrome can be obtained for the installation of bombing targets. The survey also disclosed that any bombing installations at Ephrata should include facilities for the housing and messing of personnel unable to return to the base at McChord Field due to adverse weather. Accordingly, a request was made by the Commanding Officer at McChord Field through channels on November 12, 1940 for use of Ephrata area as a practice bombing range.

(NOTE: Ephrata is ideally located with respect to Sunset Field, Pendleton, Oregon, as well as McChord Field, for use as a practice bombing range.)

2. RESULTS OF CONFERENCE. In the conference with the Works Projects Administration representatives, it was learned that:

a. A survey is in progress by Works Projects Administration to submit estimates on cost and labor involved in improving Ephrata airdrome. This survey contemplates construction of three surfaced runways, approximately 8,000 feet by 500 feet each, with night lighting facilities. It also includes estimates to enlarge the runways to 12,000 feet by 1,200 feet.

b. Mr. Wende stated that if the field was declared to be vital for National Defense that the Works Projects Administration would undoubtedly put up money for the entire project. He further stated that it would be necessary to construct temporary shelters for their workmen imported from Wenatchee and that he is prepared to construct, at Works Projects Administration expense, two barracks to house thirty men each, one mess hall, and one auxiliary building; and that these buildings would be left at the airdrome after construction was completed and turned over to the Army. Plans for housing include an eight-inch water main leading from Ephrata (town) to the airdrome and the necessary septic tanks and sewerage disposal.


c. Mr. Wende advised that the Air Corps take immediate steps to obtain leases or options on all land involved in the airdrome development, which land, he thought, could be obtained for approximately two dollars a year. He also suggested that an accompanying letter be prepared by the District and submitted with the survey with the request that all construction work be expedited. He stated that he believed the necessary approval from Washington could be obtained in approximately two weeks after the survey was received if the situation was urgent enough.

3. RECOMMENDATIONS. In view of the foregoing, recommend:

a. That the Ephrata project be divided into three projects as follows in order to avoid delay: Project 1. Improvement of Ephrata airdrome by Works Projects Administration. Project 2. Procurement of necessary range areas and installation of targets thereat, together with the necessary coordination between the Air Corps and CAA for bombing operations adjacent to an airways. Project 3. Procurement of the necessary funds for installation of a hangar at the airdrome for emergency maintenance.

b. That work on Project 1 begin at once and that one officer from the Judge Advocate General's Department, Northwest Air District, and one Quartermaster officer be dispatched to Ephrata immediately to obtain a lease or option on all land involved in airdrome improvement. Mr. W. Gale Matthews at Ephrata should be contacted in arranging for use of airdromes.

c. That the report from the board of officers, convened at McChord Field by order of Commanding General, Northwest Air District to survey the range site at Ephrata, be expedited in order that the necessary action be taken to obtain title to the range area.


NATHAN B. FORREST,
Major, Air Corps,
Project Officer.

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS

WASHINGTON
REFER TO FILE NO. CE 601.1 EPHRATA AIRFIELD, WASH. - Bombing Range - Misc. - SPELR

June 15, 1943.

SUBJECT: Bombing Target Range, Ephrata Airfield, Washington.

TO: The Commanding General, Army Service Forces.

1. There is a military necessity for the acquisition of land indicated under subject above and described more in detail in paragraph 2 below:

2. Description of land and other pertinent data are as follows:

a. BRIEF DESCRIPTION OF THE LAND: Certain tracts or parcels of land located in Douglas County, Washington, consisting of Sections 22, 23, 26 and 27 of Township 25 North, and Range 25 East, indicated on the attached map.

b. PROPOSED USE: Area Bombing Target to serve the Ephrata Army Air Base.

c. ACREAGE INVOLVED: 2550 acres.

d. IMPROVEMENTS: None.

e. ESTIMATED COST: \$350 yearly rental for County, State and private lands.

f. ESTATE TO BE ACQUIRED: Leasehold interest in State, County and private land, temporary use and lease suspension agreements, on Public Domain.

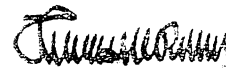
g. METHOD OF ACQUISITION: Negotiation or condemnation.

3. The determination of a military necessity is based upon the approval of the Commanding General, Army Air Forces, by second indorsement dated May 31, 1943, attached.

4. Funds for this acquisition are available from Public 649, 77th Congress, approved July 2, 1942.

5. It is recommended that the Under Secretary of War be informed that there is a military necessity for the acquisition of the above-mentioned land and that he be requested to authorize this office to acquire the necessary land for this project.

For the Chief of Engineers:



THOMAS M. ROBINS,
Major General,
Assistant Chief of Engineers.

2 Incls:

#1 - Ltr. 4-10-43

w/2 Incls.

#2 - Map.



RE-D

CE 601.1 EPHRATA AIRFIELD, WASHINGTON - Bombing - Misc. SPELR

SUBJECT: Bombing Target Range, Ephrata Airfield, Washington.

1st Ind.

War Department, Headquarters, Army Service Forces. June 15, 1943.

To: The Under Secretary of War.

1. The Secretary of War directs that you be informed that a military necessity exists for the acquisition of the land referred to in the basic communication.

JUN 15 1943

For the Commanding General:

F. M. Smith
Col. G.S.C.
For W. D. STYER,
Major General, G. S. S.,
Chief of Staff.

2 Incls. n/c

Encl. 2

2nd Ind.

Office of the Under Secretary of War. June 15, 1943.

To: The Chief of Engineers.

For acquisitions of land in accordance with Section VII,
Circular No. 47, W. D. 1942.

By direction of the Under Secretary of War:

2 Incls. n/c.

RE-D

2357

*Serial was
cut 6/17/43*

Marion Rushton
MARION RUSHTON
Colonel, J.A.G.D.
Administrative Officer

CE 601.1 (Ephrata Air Field, Washington)-SPELR

SUBJECT: Cancellation of Land Acquisition - Area Bombing Target

3rd Ind.

Army Service Forces, Office of the Chief of Engineers, War Department,
U. S. Army, Washington 25, D. C.

11 MAY 1944


To: Commanding General, Army Service Forces

1. Preceding 2nd Indorsement, Directive No. RE-D 2357, dated 15 June 1943, authorized the acquisition of a leasehold and temporary use permit in approximately 2,560 acres of land at an estimated annual rental of \$350.00, for an Area Bombing Target to serve Ephrata Army Air Base, Washington.

2. Based upon the request of the Commanding General, Army Air Forces, by 6th Indorsement dated 28 April 1944, and the recommendation of the Division Engineer, Pacific Division, by 2nd Indorsement and 4th Indorsement dated 30 March 1944 and 6 April 1944 respectively, a military necessity no longer exists for the acquisition of the land authorized by Directive No. RE-D 2357 mentioned in Paragraph 1 preceding. No action has been taken to acquire leases on the state, county, and private land and possession thereof was not acquired.

3. It is recommended that the Under Secretary of War be advised that a military necessity no longer exists for the acquisition of 2,560 acres of land described in basic letter, and that he be requested to authorize this office to cancel the acquisition thereof.

For the Chief of Engineers:


THOMAS H. ROBINS
Major General
Deputy Chief of Engineers

Incls:

#1 - w/d

#2 - w/d

Added:

#3 - Ltr dtd 14 March 1944
w/6 Inds.

RE-D

3032

SUBJECT: Cancellation of Land Acquisition - Area Bombing Target

4th Ind.

War Department, Headquarters Army Service Forces

11 MAY 1944

To: The Under Secretary of War (THRU: The Assistant Secretary of War for Air)

1. The Secretary of War directs that you be informed that a military necessity no longer exists for the acquisition of approximately 2,560 acres of land, authorized in preceding 2nd Indorsement dated 15 June 1943.

For the Commanding General:

Incls:
n/c

NOTED: Asst. Sec. War/Air

AMH 5/12/44

A. M. Hanson
Lt. Col. A. C.
Asst. Executive

W. D. STYER
Major General, G.S.C.
Chief of Staff

MR Long
F. H. LONG
Lt. Col. / GSC
Asst. to C/S, ASF

5th Ind.

Office of the Under Secretary of War

To: The Chief of Engineers

Cancellation of the acquisition of approximately 2,560 acres of land as authorized in preceding 2nd Indorsement, dated 15 June 1943, is approved.

By direction of the Under Secretary of War:

MAY 13 1944
Marion Rushton
MARION RUSHTON
Colonel, J.A.G.D.
Administrative Officer

Incls:
n/c

Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
----------------------------	------------	---	------------	---------------------------

Parcel # : 25252210001		Cadastral # :	
Owners ID # : 13297	1 of 1	DOR Codes : 81 00 22	
		Market	Assessed
NATURE CONSERVANCY		Improvements	
DC NON-PROFIT CORP		Land	9,000 9,000
217 PINE ST STE 1100		Perm Crop	
SEATTLE WA 98101-0000		Total Value	9,000 9,000

Map # : 25250000000	Deeded Acres : 120.00
Situs :	
Legal Desc : SENE; W1/2SE;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr :
Exempt Code :	Appraisal Zone: 1	Prev Land : 9,000
Exempt Amount :	New Const : 0	Prev Perm Crop:
Taxable Value : 9,000	Property Class: 1	Prev Total : 9,000
Tax District : 251	Appraisal Type: FARM	Prev Taxable : 9,000

Page 1 of 3
25252210001

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac : 120.000	OSP Date :
Flood Dist:	Irrg Ac : 0.000	Parent ID # :
Weed Dist :	Other Ac : 0.000	Last Appeal :
Pest Cntrl:	Site Ac : 0.000	Appeal Status:
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 120.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code
3019421	CONTRAN	03/16/1999	358,800	Yes

25252210001

Primary Owner : THE NATURE CONSERVANCY	13297	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments : 12/13/99 REMOVED C/USE, NO BACK TAX DUE.			
1 Of: 1			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	251	2003-25252	REAL	9,000	9,000	105.05	105.05
2002	251	2002-25252	REAL	9,000	9,000	123.41	0.00
2001	251	2001-25252	REAL		5,000	33.12	0.00
2000	251	2000-25252	REAL		5,000	82.24	0.00

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Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252210002	Cadastral # :		
Owners ID # : 13297	1 of 1	DOR Codes : 81 00 22	
5000 NATURE CONSERVANCY DC NON-PROFIT CORP 217 PINE ST STE 1100 SEATTLE WA 98101-0000		Market	Assessed
	Improvements		
	Land	24,300	24,300
	Perm Crop		
	Total Value	24,300	24,300

Map # : 25250000000	Deeded Acres : 324.40
Situs :	
Legal Desc : N1/2NE; SWNE; NESENW; N1/2SW; SESW; E1/2SE; EX RD;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr : 24,300
Exempt Code :	Appraisal Zone: 1	Prev Land : 24,300
Exempt Amount :	New Const : 0	Prev Perm Crop: 24,300
Taxable Value : 24,300	Property Class: 1	Prev Total : 24,300
Tax District : 251	Appraisal Type: FARM	Prev Taxable : 24,300

Page 1 of 3
25252210002

Misc Assessments	Land Use	OSP Date :
GWMA Dist :	Dry Ac : 324.400	Parent ID # :
Flood Dist:	Irrg Ac : 0.000	Last Appeal :
Weed Dist :	Other Ac : 0.000	Appeal Status:
Pest Cntrl:	Site Ac : 0.000	
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 324.400	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code
3019421	CONTRAN	03/16/1999	358,800	Yes

25252210002

Primary Owner : THE NATURE CONSERVANCY	13297	100%	1 Of : 1
Primary Situs :			1 Of : 1

Comments : 12/13/99 REMOVED C/USE, NO BACK TAX DUE.
1 Of: 1

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	251	2003-25252	REAL	24,300	24,300	283.63	283.63
2002	251	2002-25252	REAL	24,300	24,300	283.19	0.00
2001	251	2001-25252	REAL	00	16,200	126.06	0.00
2000	251	2000-25252	REAL	00	16,200	122.05	0.00

Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252220001	Cadastral # :
Owners ID # : 2144	DOR Codes : 81 00 22
1 of 1	Market
	Assessed
Improvements	
Land	6,000
Perm Crop	
Total Value	6,000

Map # : 25250000000	Deeded Acres : 80.00
Situs :	
Legal Desc : NENW; SWNW;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr :
Exempt Code :	Appraisal Zone: 1	Prev Land : 6,000
Exempt Amount :	New Const : 0	Prev Perm Crop:
Taxable Value :	Property Class: 17	Prev Total : 6,000
Tax District : 251	Appraisal Type: EXEMPT	Prev Taxable :

Page 1 of 3
25252220001

Misc Assessments	Land Use	OSP Date :
GWMA Dist :	Dry Ac : 80.000	Parent ID # :
Flood Dist:	Irrg Ac : 0.000	Last Appeal :
Weed Dist :	Other Ac : 0.000	Appeal Status:
Pest Cntrl:	Site Ac : 0.000	
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 80.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

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Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252220001

Primary Owner : USA	2144	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	251	2003-25252	REAL			0.00	0.00
2002	251	2002-25252	REAL			0.00	0.00
2000	251	2000-25252	REAL			0.00	0.00
1998	251	1998-25252	REAL			0.00	0.00

Date Created 05/09/1997	***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	***	Last Update 02/03/2003
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Parcel # : 25252220002 {C} Cadastral # :
 Owners ID # : 1766 1 of 1 DOR Codes : 81 00 22

STATE OF WASHINGTON	Improvements	Market	Assessed
PO BOX 98	Land	3,000	
WENATCHEE WA 98807-0098	Perm Crop		
	Total Value	3,000	

Map # : 25250000000 Deeded Acres : 40.00
 Situs :
 Legal Desc : NWNW;

Frozen Value : 0 Neighborhood : 1201 Prev Impr :
 Exempt Code : Appraisal Zone: 1 Prev Land : 3,000
 Exempt Amount : New Const : 0 Prev Perm Crop:
 Taxable Value : Property Class: 17 Prev Total : 3,000
 Tax District : 251 Appraisal Type: EXEMPT Prev Taxable :

Page 1 of 3
 25252220002

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac : 40.000	OSP Date :
Flood Dist:	Irrg Ac : 0.000	Parent ID # :
Weed Dist :	Other Ac : 0.000	Last Appeal :
Pest Cntrl:	Site Ac : 0.000	Appeal Status:
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 40.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252220002

Primary Owner : STATE OF WASHINGTON 1766 100% 1 Of : 1
 Primary Situs : 1 Of : 1

Comments :

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	251	2003-25252	REAL			0.00	0.00
2002	251	2002-25252	REAL			0.00	0.00
2000	251	2000-25252	REAL			0.00	0.00
1998	251	1998-25252	REAL			0.00	0.00

05/09/1997	***	ASSESSMENT RECORD	***	Last Update 02/03/2003
Parcel # : 25252220003		Cadastral # :		
Owners ID # : 9764	1 of 1	DOR Codes : 83 00 22 OPEN SPACE		
STENSURD, ELIZABETH		Market Assessed		
2230 E AMADO RD		Improvements		
PALM SPRINGS CA 92262-0000		Land	2,300	200
		Perm Crop		
		Total Value	2,300	200
Map # : 25250000000		Deeded Acres : 30.00		
Situation :				
Legal Desc : W1/2SENW; SESENW;				
Frozen Value : 0	Neighborhood : 1201	Prev Impr :		
Exempt Code :	Appraisal Zone: 1	Prev Land :	2,300	
Exempt Amount :	New Const : 0	Prev Perm Crop:		
Taxable Value : 200	Property Class: 13	Prev Total :	2,300	
Tax District : 251	Appraisal Type: FARM	Prev Taxable :	200	

Page 1 of 3
25252220003

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac : 30.000	OSP Date :
Flood Dist :	Irrg Ac : 0.000	Parent ID # :
Weed Dist :	Other Ac : 0.000	Last Appeal :
Pest Cntrl:	Site Ac : 0.000	Appeal Status:
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 30.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252220003

Primary Owner : STENSURD, ELIZABETH	9764	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	251	2003-25252	REAL	200	200	2.33	0.00
2002	251	2002-25252	REAL	200	200	2.74	0.00
2001	251	2001-25252	REAL	00	200	2.79	0.00
2000	251	2000-25252	REAL	00	200	2.75	0.00

Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252230001 Cadastral # :
 Owners ID # : 9765 1 of 1 DOR Codes : 81 00 22

		Market	Assessed
WILSON, DAVID COLLIER			
302 GLENWOOD CT	Improvements		
SAN ANTONIO TX	Land	3,000	3,000
78210-4026	Perm Crop		
	Total Value	3,000	3,000

Map # : 25250000000 Deeded Acres : 40.00
 Situs :
 Legal Desc : SWSW SECTION 22-25-25

Frozen Value : 0	Neighborhood : 1201	Prev Impr :
Exempt Code :	Appraisal Zone: 1	Prev Land : 3,000
Exempt Amount :	New Const : 0	Prev Perm Crop:
Taxable Value : 3,000	Property Class: 1	Prev Total : 3,000
Tax District : 251	Appraisal Type: FARM	Prev Taxable : 3,000

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 25252230001

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac : 40.000	OSP Date :
Flood Dist :	Irrg Ac : 0.000	Parent ID # :
Weed Dist :	Other Ac : 0.000	Last Appeal :
Pest Cntrl:	Site Ac : 0.000	Appeal Status:
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 40.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252230001

Primary Owner : WILSON, DAVID COLLIER 9765 100% 1 Of : 1
 Primary Situs : 1 Of : 1

Comments :

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	251	2003-25252	REAL	3,000	3,000	35.02	35.02
2002	251	2002-25252	REAL	3,000	3,000	41.14	0.00
2001	251	2001-25252	REAL	0	2,000	27.90	0.00
2000	251	2000-25252	REAL	0	2,000	27.41	0.00

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Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252310001	Cadastral # :
Owners ID # : 13297	DOR Codes : 81 00 22
1 of 1	
THE NATURE CONSERVANCY NON-PROFIT CORP 217 PINE ST STE 1100 SEATTLE WA	Improvements Land Perm Crop Total Value
98101-0000	Market Assessed
	12,000 12,000 12,000 12,000

Map # : 25250000000	Deeded Acres : 160.00
Situs :	
Legal Desc : N1/2N1/2 EX RD;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr : 12,000
Exempt Code :	Appraisal Zone: 1	Prev Land : 12,000
Exempt Amount :	New Const : 0	Prev Perm Crop: 12,000
Taxable Value : 12,000	Property Class: 1	Prev Total : 12,000
Tax District : 253	Appraisal Type: FARM	Prev Taxable : 12,000

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25252310001

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac : 160.000	OSP Date :
Flood Dist:	Irrg Ac : 0.000	Parent ID # :
Weed Dist :	Other Ac : 0.000	Last Appeal :
Pest Cntrl:	Site Ac : 0.000	Appeal Status:
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 160.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

ber	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code
3019421	CONTRAN	03/16/1999	358,800	Yes

25252310001

Primary Owner : THE NATURE CONSERVANCY	13297	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments : 12/13/99 REMOVED C/USE, NO BACK TAX DUE.			
1 Of: 1			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	253	2003-25252	REAL	12,000	12,000	133.54	133.54
2002	253	2002-25252	REAL	12,000	12,000	157.83	0.00
2001	253	2001-25252	REAL	3,000	3,000	107.11	0.00
2000	253	2000-25252	REAL	3,000	3,000	106.83	0.00

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Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252310002	Cadastral # :
Owners ID # : 9767	DOR Codes : 83 00 22 OPEN SPACE
1 of 1	Market Assessed
GUSKE, BRUCE	Improvements
1416 SOUTH WENATCHEE AVE	Land
WENATCHEE WA 98801-0000	Perm Crop
	Total Value
	24,000
	2,200

Map # : 25250000000	Deeded Acres : 320.00
Situs :	
Legal Desc : S1/2NE; SENW; SW; NWSE; EX RD.;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr : 24,000
Exempt Code :	Appraisal Zone: 1	Prev Land : 24,000
Exempt Amount :	New Const : 0	Prev Perm Crop: 24,000
Taxable Value : 2,200	Property Class: 13	Prev Total : 2,200
Tax District : 253	Appraisal Type: FARM	Prev Taxable : 2,200

Page 1 of 3
25252310002

Misc Assessments	Land Use	OSP Date :
GWMA Dist :	Dry Ac : 320.000	Parent ID # :
Flood Dist:	Irrg Ac : 0.000	Last Appeal :
Weed Dist :	Other Ac : 0.000	Appeal Status:
Pest Cntrl:	Site Ac : 0.000	
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 320.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252310002

Primary Owner : GUSKE, BRUCE	9767	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	253	2003-25252	REAL	2,200	2,200	24.48	24.48
2002	253	2002-25252	REAL	2,200	2,200	28.94	0.00
2001	253	2001-25252	REAL	2,200	2,200	29.46	0.00
2000	253	2000-25252	REAL	00	2,200	29.38	0.00

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Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD		*** ***	Last Update 02/03/2003
Parcel # : 25252320001		Cadastral # :			
Owners ID # : 13297		DOR Codes : 81 00 22			
THE NATURE CONSERVANCY NON-PROFIT CORP 217 PINE ST STE 1100 SEATTLE WA		Improvements Land Perm Crop Total Value	Market 3,000 3,000	Assessed 3,000 3,000	
Map # : 25250000000		Deeded Acres : 40.00			
Situs :					
Legal Desc : SWNW;					
Frozen Value : 0	Neighborhood : 1201	Prev Impr :			
Exempt Code :	Appraisal Zone: 1	Prev Land :	3,000		
Exempt Amount :	New Const : 0	Prev Perm Crop:			
Taxable Value : 3,000	Property Class: 1	Prev Total :	3,000		
Tax District : 253	Appraisal Type: FARM	Prev Taxable :	3,000		

Page 1 of 3
25252320001

Misc Assessments		Land Use			
GWMA Dist :	Dry Ac : 40.000	OSP Date :			
Flood Dist:	Irrg Ac : 0.000	Parent ID # :			
Weed Dist :	Other Ac : 0.000	Last Appeal :			
Pest Cntrl:	Site Ac : 0.000	Appeal Status:			
Timber	Timber Ac : 0.000				
Value : 0	Total Ac : 40.000	Record Status :	1 ACTIVE		
DNR Ac :	Pest Cntrl:	Review Status :			

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code
3019421	CONTRAN	03/16/1999	358,800	Yes

25252320001

Primary Owner : THE NATURE CONSERVANCY	13297	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments : 12/13/99 REMOVED C/USE, NO BACK TAX DUE.			
1 Of: 1			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	253	2003-25252	REAL	3,000	3,000	33.38	33.38
2002	253	2002-25252	REAL	3,000	3,000	39.46	0.00
2001	253	2001-25252	REAL	3,000	2,000	26.78	0.00
2000	253	2000-25252	REAL	3,000	2,000	26.71	0.00

05/09/1997	***	ASSESSMENT RECORD		***	02/03/2003
Parcel # : 25252340001		Cadastral # :			
Owners ID # : 2144		1 of 1		DOR Codes : 81 00 22	
		Improvements	Market	Assessed	
		Land	9,000		
		Perm Crop			
		Total Value	9,000		
Map # : 25250000000		Deeded Acres : 120.00			
Situs :					
Legal Desc : NESE; S1/2SE;					
Frozen Value :	0	Neighborhood :	1201	Prev Impr :	
Exempt Code :		Appraisal Zone:	1	Prev Land :	9,000
Exempt Amount :		New Const :	0	Prev Perm Crop:	
Taxable Value :		Property Class:	17	Prev Total :	9,000
Tax District :	253	Appraisal Type:	EXEMPT	Prev Taxable :	

Page 1 of 3
25252340001

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac :	120.000
Flood Dist:	Irrg Ac :	0.000
Weed Dist :	Other Ac :	0.000
Pest Cntrl:	Site Ac :	0.000
Timber	Timber Ac :	0.000
Value :	Total Ac :	120.000
DNR Ac :	Pest Cntrl:	
	OSP Date :	
	Parent ID # :	
	Last Appeal :	
	Appeal Status:	
	Record Status :	1 ACTIVE
	Review Status :	

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252340001

Primary Owner : USA	2144	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	253	2003-25252	REAL			0.00	0.00
2002	253	2002-25252	REAL			0.00	0.00
2000	253	2000-25252	REAL			0.00	0.00
1998	253	1998-25252	REAL			0.00	0.00

Date Created 05/09/1997	***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	***	Last Update 02/03/2003
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Parcel # : 25252510001	Cadastral # :
Owners ID # : 2144	DOR Codes : 81 00 22
1 of 1	Market
Assessed	
Improvements	
Land	18,000
Perm Crop	
Total Value	18,000
Map # : 25250000000	Deeded Acres : 240.00
Situs :	
Legal Desc : NWNE; NW; NESW;	
Frozen Value : 0	Neighborhood : 1201
Exempt Code :	Appraisal Zone: 1
Exempt Amount :	New Const : 0
Taxable Value :	Property Class: 17
Tax District : 298	Appraisal Type: EXEMPT
Prev Impr :	
Prev Land : 18,000	
Prev Perm Crop:	
Prev Total : 18,000	
Prev Taxable :	

Page 1 of 3
25252510001

Misc Assessments	Land Use	
GWMA Dist :	Dry Ac : 240.000	OSP Date :
Flood Dist:	Irrg Ac : 0.000	Parent ID # :
Weed Dist :	Other Ac : 0.000	Last Appeal :
Pest Cntrl:	Site Ac : 0.000	Appeal Status:
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 240.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252510001

Primary Owner : USA	2144	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	298	2003-25252	REAL			0.00	0.00
2002	298	2002-25252	REAL			0.00	0.00
2000	298	2000-25252	REAL			0.00	0.00
1998	298	1998-25252	REAL			0.00	0.00

Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252510002	Cadastral # :
Owners ID # : 9929	DOR Codes : 83 00 22 OPEN SPACE
BECHTOL, W E	Market
407 CASTLEVIEW PL	Assessed
WENATCHEE WA	Improvements
98801-0000	Land
	Perm Crop
	Total Value
	77,900
	38,900
	77,900
	38,900

Map # : 25250000000	Deeded Acres : 280.00
Situs :	
Legal Desc : E1/2E1/2; SWNE; W1/2SE;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr : 77,900
Exempt Code :	Appraisal Zone: 1	Prev Land : 77,900
Exempt Amount :	New Const : 0	Prev Perm Crop: 77,900
Taxable Value : 38,900	Property Class: 13	Prev Total : 77,900
Tax District : 298	Appraisal Type: FARM	Prev Taxable : 38,900

Page 1 of 3
25252510002

Misc Assessments	Land Use	OSP Date :
GWMA Dist :	Dry Ac : 116.000	Parent ID # :
Flood Dist:	Irrg Ac : 0.000	Last Appeal :
Weed Dist :	Other Ac : 0.000	Appeal Status:
Pest Cntrl:	Site Ac : 0.000	
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 280.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252510002

Primary Owner : BECHTOL, W E	9929	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	298	2003-25252	REAL	38,900	38,900	498.23	498.23
2002	298	2002-25252	REAL	38,900	38,900	525.30	0.00
2001	298	2001-25252	REAL	39,000	39,000	534.07	0.00
2000	298	2000-25252	REAL	39,000	39,000	541.71	0.00

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Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	Last Update 02/03/2003
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Parcel # : 25252530001	Cadastral # :
Owners ID # : 8319 1 of 1	DOR Codes : 83 00 22 OPEN SPACE
BUOB, MARILYN JUNE	Market Assessed
37224 RD J 3 NE	Improvements Land 9,000 800
COULEE CITY WA 99115-0000	Perm Crop Total Value 9,000 800

Map # : 25250000000	Deeded Acres : 120.00
Situs :	
Legal Desc : W1/2SW; SESW;	

Frozen Value : 0	Neighborhood : 1201	Prev Impr : 9,000
Exempt Code :	Appraisal Zone: 1	Prev Land : 9,000
Exempt Amount :	New Const : 0	Prev Perm Crop: 9,000
Taxable Value : 800	Property Class: 13	Prev Total : 800
Tax District : 298	Appraisal Type: FARM	Prev Taxable : 800

Page 1 of 3
25252530001

Misc Assessments	Land Use	OSP Date :
GWMA Dist :	Dry Ac : 120.000	Parent ID # :
Flood Dist:	Irrg Ac : 0.000	Last Appeal :
Weed Dist :	Other Ac : 0.000	Appeal Status:
Pest Cntrl:	Site Ac : 0.000	
Timber	Timber Ac : 0.000	
Value : 0	Total Ac : 120.000	Record Status : 1 ACTIVE
DNR Ac :	Pest Cntrl:	Review Status :

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252530001

Primary Owner : BUOB, MARILYN JUNE	8319	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	298	2003-25252	REAL	800	800	10.24	10.24
2002	298	2002-25252	REAL	800	800	10.32	0.00
2001	298	2001-25252	REAL	800	800	10.95	0.00
2000	298	2000-25252	REAL	800	800	11.11	0.00

Date Created 05/09/1997	***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD		***	Last Update 02/03/2003
Parcel # : 25252600001		Cadastral # :			
Owners ID # : 2144	1 of 1	DOR Codes : 81 00 22			
		Improvements	Market	Assessed	
		Land	42,000		
		Perm Crop			
		Total Value	42,000		
Map # : 25250000000		Deeded Acres :		560.00	
Situs :					
Legal Desc : ALL OF SEC EX NWNW & SESE;					
Frozen Value :	0	Neighborhood :	1201	Prev Impr :	
Exempt Code :		Appraisal Zone:	1	Prev Land :	42,000
Exempt Amount :		New Const :	0	Prev Perm Crop:	
Taxable Value :		Property Class:	17	Prev Total :	42,000
Tax District :	298	Appraisal Type:	EXEMPT	Prev Taxable :	

Page 1 of 3
25252600001

Misc Assessments		Land Use			
GWMA Dist :		Dry Ac :	560.000	OSP Date :	
Flood Dist:		Irrg Ac :	0.000	Parent ID # :	
Weed Dist :		Other Ac :	0.000	Last Appeal :	
Pest Cntrl:		Site Ac :	0.000	Appeal Status:	
Timber		Timber Ac :	0.000		
Value :	0	Total Ac :	560.000	Record Status :	1 ACTIVE
DNR Ac :		Pest Cntrl:		Review Status :	

Page 2 of 3

nber	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252600001

Primary Owner : USA	2144	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments :			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	298	2003-25252	REAL			0.00	0.00
2002	298	2002-25252	REAL			0.00	0.00
2000	298	2000-25252	REAL			0.00	0.00
1998	298	1998-25252	REAL			0.00	0.00

Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD		*** ***	Last Update 02/03/2003
Parcel # : 25252620001		Cadastral # :			
Owners ID # : 13297		1 of 1		DOR Codes : 81 00 22	
				Market	Assessed
THE NATURE CONSERVANCY		Improvements			
NON-PROFIT CORP		Land		3,000	3,000
217 PINE ST STE 1100		Perm Crop			
SEATTLE WA		Total Value		3,000	3,000
98101-0000					
Map # : 25250000000		Deeded Acres :		40.00	
Situs :					
Legal Desc : NWNW;					
Frozen Value : 0		Neighborhood : 1201		Prev Impr : 3,000	
Exempt Code :		Appraisal Zone: 1		Prev Land : 3,000	
Exempt Amount :		New Const : 0		Prev Perm Crop: 3,000	
Taxable Value : 3,000		Property Class: 1		Prev Total : 3,000	
Tax District : 298		Appraisal Type: FARM		Prev Taxable : 3,000	

Page 1 of 3
25252620001

Misc Assessments		Land Use		OSP Date :	
GWMA Dist :	Dry Ac : 40.000	Irrg Ac : 0.000		Parent ID # :	
Flood Dist:	Other Ac : 0.000	Site Ac : 0.000		Last Appeal :	
Weed Dist :	Timber Ac : 0.000	Total Ac : 40.000		Appeal Status:	
Pest Cntrl:		Pest Cntrl:		Record Status : 1 ACTIVE	
Timber				Review Status :	
Value : 0					
DNR Ac :					

Page 2 of 3

Number	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code
3019421	CONTRAN	03/16/1999	358,800	Yes

25252620001

Primary Owner : THE NATURE CONSERVANCY	13297	100%	1 Of : 1
Primary Situs :			1 Of : 1
Comments : 12/13/99 REMOVED FROM C/USE, NO BACK TAX DUE.			
1 Of: 1			

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	298	2003-25252	REAL	3,000	3,000	38.42	38.42
2002	298	2002-25252	REAL	3,000	3,000	40.56	0.00
2001	298	2001-25252	REAL	2,000	2,000	27.39	0.00
2000	298	2000-25252	REAL	2,000	2,000	27.78	0.00

Date Created 05/09/1997	*** ***	DOUGLAS COUNTY ASSESSOR'S OFFICE ASSESSMENT RECORD	*** ***	02/03/2003
----------------------------	------------	---	------------	------------

Parcel # : 25252640001 Cadastral # :
 Owners ID # : 8319 1 of 1 DOR Codes : 83 00 22 OPEN SPACE
 Market Assessed

BOB, MARILYN JUNE Improvements
 37224 RD J 3 NE Land 3,000 300
 COULEE CITY WA 99115-0000 Perm Crop
 Total Value 3,000 300

Map # : 25250000000 Deeded Acres : 40.00
 Situs :
 Legal Desc : SESE;

Frozen Value : 0 Neighborhood : 1201 Prev Impr :
 Exempt Code : Appraisal Zone: 1 Prev Land : 3,000
 Exempt Amount : New Const : 0 Prev Perm Crop:
 Taxable Value : 300 Property Class: 13 Prev Total : 3,000
 Tax District : 298 Appraisal Type: FARM Prev Taxable : 300

Page 1 of 3
 25252640001

Misc Assessments Land Use
 GWMA Dist : Dry Ac : 40.000 OSP Date :
 Flood Dist: Irrg Ac : 0.000 Parent ID # :
 Weed Dist : Other Ac : 0.000 Last Appeal :
 Pest Cntrl: Site Ac : 0.000 Appeal Status:
 Timber Timber Ac : 0.000
 Value : 0 Total Ac : 40.000 Record Status : 1 ACTIVE
 DNR Ac : Pest Cntrl: Review Status :

Page 2 of 3

iber	Date Opened	Last Visit	Date Closed	Permit Description	Amount

Book & Page	Grantor	Sale Date	Sale Price	Code

25252640001

Primary Owner : BUOB, MARILYN JUNE 8319 100% 1 Of : 1
 Primary Situs : 1 Of : 1

Comments :

Code	Type	Year	User ID	Change Date	Value Change	Tax Change

Year	District	Statement	Source	Appraised	Assessed	Billed Tax	Balance
2003	298	2003-25252	REAL	300	300	3.84	3.84
2002	298	2002-25252	REAL	300	300	4.05	0.00
2001	298	2001-25252	REAL	300	300	4.11	0.00
2000	298	2000-25252	REAL	300	300	4.16	0.00

E-7

**ORDNANCE AND EXPLOSIVES
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FOR
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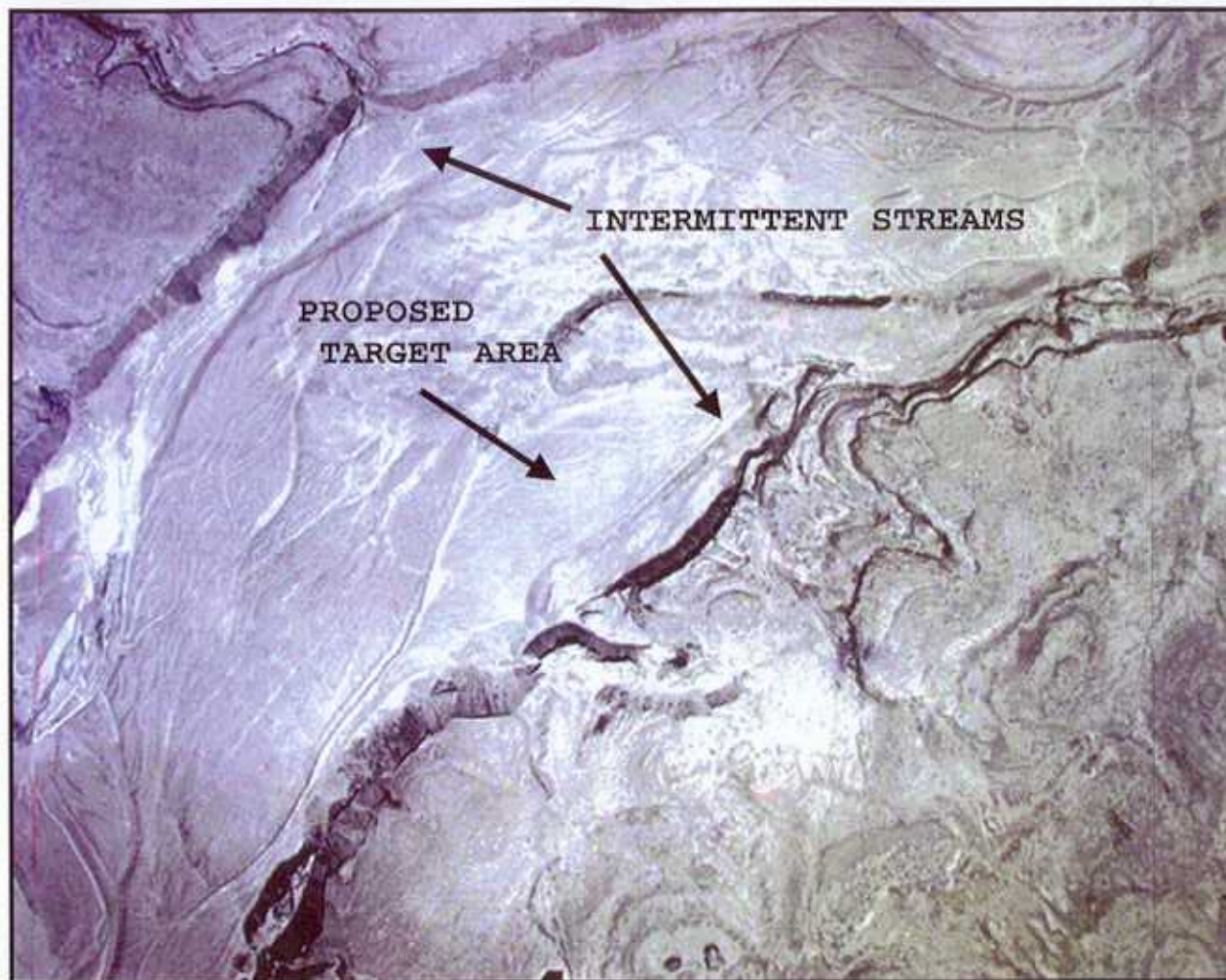
APPENDIX F

STILL PHOTOGRAPH REFERENCES

APPENDIX F
STILL PHOTOGRAPH REFERENCES

Table of Contents

F-1 Aerial photograph of proposed Ephrata Bombing Target
Range, 29 July 1949 (B-65).



1949 AERIAL
PHOTOGRAPH
OF PROPOSED
TARGET AREA

**ORDNANCE AND EXPLOSIVES
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APPENDIX G

MAPS/DRAWINGS REFERENCES

APPENDIX G
MAPS/DRAWINGS REFERENCES

Table of Contents

G-1 Final Project Map, Ephrata Bombing Target Range,
 6 May 1953 (B-60).

B&W F/O G-1

**ORDNANCE AND EXPLOSIVES
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APPENDIX H

INTERVIEWS

APPENDIX H

INTERVIEWS

Table of Contents

H-1	Interview with Nancy Warner.
H-2	Interview with Richard Mayer.
H-3	Interview with Bill Robinson.
H-4	Interview with Mike Donovan.

CONVERSATION RECORD	TIME 0935	DATE 25 April 2003
----------------------------	---------------------	------------------------------

TYPE		
<input type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input type="checkbox"/> TELEPHONE
		<input type="checkbox"/> INCOMING
		<input checked="" type="checkbox"/> OUTGOING

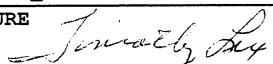
NAME OF PERSON CONTACTED Nancy Warner Program Manager	ORGANIZATION Wenatchee Nature Conservancy	TELEPHONE NO. (509) 665-9595
---	---	---------------------------------

SUBJECT: FORMER EPHRATA BOMBING TARGET RANGE

SUMMARY:

I asked Ms. Warner whether she had any knowledge concerning site improvements that may have been done at the former Ephrata bombing range. She stated that to her knowledge, nothing was ever done with the site.

ACTION REQUIRED
None

NAME OF PERSON DOCUMENTING CONVERSATION Timothy Lux	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-5287
SIGNATURE 	TITLE QASAS	DATE 22 May 2003

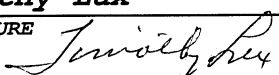
CONVERSATION RECORD		TIME 1900	DATE 25 April 2003
TYPE			
<input type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input type="checkbox"/> TELEPHONE	
		<input type="checkbox"/> INCOMING	
		<input checked="" type="checkbox"/> OUTGOING	
NAME OF PERSON CONTACTED Richard Mayer	ORGANIZATION Local Farmer	TELEPHONE NO. (509) 754-3041	
SUBJECT: FORMER EPHRATA BOMBING TARGET RANGE			

SUMMARY:

I asked Mr. Mayer whether he had any knowledge concerning site improvements that may have been done at the former Ephrata bombing range. He stated that to the best of his knowledge, nothing was ever done with the site. He further stated that while farming the land, the only ordnance he ever discovered was small arms ammunition, presumably from hunters.

ACTION REQUIRED

None

NAME OF PERSON DOCUMENTING CONVERSATION Timothy Lux	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-5287
SIGNATURE 	TITLE QASAS	DATE 22 May 2003

CONVERSATION RECORD		TIME 1003	DATE 26 April 2003
TYPE			
<input type="checkbox"/> VISIT		<input type="checkbox"/> CONFERENCE	<input type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING
NAME OF PERSON CONTACTED Bill Robinson	ORGANIZATION Stationed at Ephrata	TELEPHONE NO. (509) 754-4266	
SUBJECT: FORMER EPHRATA BOMBING TARGET RANGE			

SUMMARY:

I asked Mr. Robinson whether he had any knowledge concerning site improvements that may have been done at the former Ephrata bombing range. He stated that he had only been stationed there for a short time during the war and had no involvement with the range. He further stated that he had no knowledge of any improvements to the range.

ACTION REQUIRED

None

NAME OF PERSON DOCUMENTING CONVERSATION Timothy Lux	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-5287
SIGNATURE <i>Timothy Lux</i>	TITLE QASAS	DATE 22 May 2003

CONVERSATION RECORD	TIME 1400	DATE 26 April 2003
----------------------------	---------------------	------------------------------

TYPE		
<input type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input type="checkbox"/> TELEPHONE
		<input type="checkbox"/> INCOMING
		<input checked="" type="checkbox"/> OUTGOING

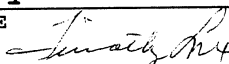
NAME OF PERSON CONTACTED Mike Donovan	ORGANIZATION Rimrock Development	TELEPHONE NO. (509) 754-1355
---	--	--

SUBJECT Former Ephrata Bombing Target Range

SUMMARY:

Mr. Donovan had vivid knowledge of the former Ephrata bombing target range. He was involved with the land when it was released for public use at the end of the war. He stated that no improvements were made to the site for use as a bombing target range. Today the site is undeveloped land owned by the Nature Conservancy. Much of the site is used for cattle grazing.

ACTION REQUIRED
None

NAME OF PERSON DOCUMENTING CONVERSATION Timothy Lux	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-5287
SIGNATURE 	TITLE QASAS	DATE 22 May 2003

**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
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PROJECT NUMBER F10WA028301**

APPENDIX I

SITE SAFETY AND HEALTH PLAN (SSHP)

U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
for
FORMERLY USED DEFENSE SITES
ORDNANCE AND EXPLOSIVES

APPENDIX A-296

former

**EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON**

DERP-FUDS Site Number: F10WA028300

1. PURPOSE

The purpose of this appendix is to provide specific site characteristics of OE potential for the former Ephrata Bombing Target Range, Douglas County, Washington. This appendix supplements the main safety plan.

2. ON-SITE ORGANIZATION/COORDINATION

Members of the inspection/coordination (SI) team are shown in Table A-296.1. The number of inspection personnel team members on-site will not exceed 4 per inspection. Guides, property owners, and escorts are not included in this figure. However, the number of personnel present on the site must be kept to a minimum consistent with safe and efficient inspection practices.

TABLE A296.1 ON-SITE ORGANIZATION/COORDINATION			
Function	Organization	POC	Telephone
Assessment Team CEMVR-ED-DO	CEMVR-ED-DO	Timothy Lux* Quality Assurance Spec	(309) 794-5287
	CEMVR-ED-DO	Timothy Holland UXO Safety Spec	(309) 794-5432
Geographic District POC	CESPL-PM-EM	Jonathan Maas FUDS PM	(206) 764-6745
Project Engineer	CEMVR-ED-DO	Robert Hoffman Env Engr, P.E.	(309) 794-5504
Industrial Hygiene	MCXM-PMA	Bob Platt Hygienist	(309) 782-0806
HNC Support	CEHNC-OE-EM	Wayne Galloway	(256) 895-1582
		UXO Safety Spec	(800) 627-3532 PIN 707-2534
*Team Leader			

3. SITE DESCRIPTION

The 2,560 acre site is located in sections 22, 23, 26, and 27, Township 25 North, Range 25 East, W.M. The site was to be used by the Ephrata Army Air Base as a bombing target range. However, during the ten month period of DOD control the site was not utilized and no improvements were made.

4. LIST OF EMERGENCY TELEPHONE NUMBERS

TABLE A296.2 EMERGENCY PHONE NUMBERS		
FUNCTIONS	ORGANIZATION	TELEPHONE
Police	Wenatchee Police Department 135 South Chelan Avenue Wenatchee, WA 98801	(509) 664-3900
Hospital	Central Washington Hospital 820 N. Chelan Avenue Wenatchee, WA 98807	(509) 667-3333
Fire Department	Wenatchee Fire Department 1420 Maple Street Wenatchee, WA 98801	(509) 664-3950
Explosive Safety	COE, Huntsville, AL	(256) 895-1598 After Duty Hrs -1180
Explosive Ordnance Disposal (EOD)	53d Ordnance Company (EOD) Yakima, WA 98901-5000	(509) 577-3376

5. ORDNANCE AND EXPLOSIVE WASTE POTENTIAL

Table A296.3 lists items that may have been utilized at the former Ephrata Bombing Target Range and potential hazards associated with each.

TABLE A296.3 POTENTIAL OE HAZARDS AND EVALUATION	
OE	POTENTIAL HAZARD
Bombs, Practice	Mass Detonation, Fragment Producing

6. PERSONAL PROTECTIVE CLOTHING

a. Table A296.4 on the next page includes personal protective equipment that must be readily available should it be required/needed. As each site presents a unique set of circumstances, the determination of "need" shall be based on the information in the following table, and determined by the team leader.

TABLE A296.4 PERSONNEL PROTECTIVE CLOTHING		
WORK AREA/ZONE	JOB FUNCTION/TASK	LEVEL OF CLOTHING
All Areas	Visual Inspection	Safety Shoes (as req'd)
		Hard Hat (as req'd)
		Eye Protection (as req'd)
		Hearing Protection (as req'd)

b. Table A296.5 lists specialized equipment anticipated for general safety purposes. The team leader is responsible for determining appropriate use of the equipment.

TABLE A296.5 GENERAL EQUIPMENT	
TYPE	COMMENT
Global Positioning System (GPS)	Used to determine locations of OE and significant landmarks.
First Aid Kit	Used to treat any minor injuries
Cellular Phone	Used to request medical or other assistance, as required.

7. SIGNATURES

I have read, understand and agree to abide by the provisions as detailed in this Site Safety and Health Plan for Ordnance and Explosives (OE) Investigation at the former Ephrata Bombing Target Range. Failure to comply with these provisions may lead to dismissal from the work site. My signature below signifies that I understand, and will follow the requirements of the above Site Safety Plan. Furthermore, I attended and participated in the safety briefing conducted prior to the on-site visit.

Print Name	Signature	Office Symbol/Date
------------	-----------	--------------------

ORDNANCE AND EXPLOSIVES
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APPENDIX J

SITE INSPECTION REPORT

(1) On April 23, 2003, Site Inspection (SI) Team members, Mr. Timothy Lux and Mr. Timothy Holland, visited the former Ephrata Bombing Target Range.

(2) Exact location of the former bombing target range was determined through the use of a Global Positioning System (GPS) installed on our government laptop computer. Site Latitude 47d 38m 31s N and Longitude 119d 39m 45s W coordinates, which were taken from FUDMIS were entered into the GPS system and the exact directions to the site were plotted. Then it was just a matter of following the directions to the site.

(3) Once GPS plotting determined the exact site location, access to the site was gained by traveling down an improved (finely graveled) county road to property owned and used by the Wenatchee Nature Conservancy for nature conservation. As we followed the GPS arrow prompts on our laptop and as we neared our GPS coordinates, we looked at the surrounding land for anything which might be associated with our site. We noticed several vintage vehicle shells from the 40s or 50s grouped together at one spot on the property. An apparently abandoned building was situated about 150 feet from the vehicles. Closer examination of the vehicles indicated that they had been used for target practice. We assumed that hunters, not pilots, had used the vehicles for target practice because of their close proximity to the vehicles. Right next to the vehicles in a heap on the ground was some large gauge steel cable. We speculated at first that perhaps the cable was used for structural support for any observation towers, which may have been constructed for the range. That speculation could only be validated if we discovered leftover evidence of such towers on the range.

(4) Finally, we arrived at the target coordinates on our GPS. Looking around, we noticed no fences or barriers. The land at our site location appeared to be completely accessible. The Nature Conservancy had installed warning signs a short distance from the road. These signs prohibited open hunting without their consent. No improved roads were immediately visible which might lead directly to the site. The only resemblance of a road was an unimproved dirt path, which was extremely crude and uneven, and then this path only allowed us to travel only a short distance to the site. At a point where the terrain took a sharp increase in elevation, the path stopped. The vehicle we were using was 4-wheel drive, but the terrain was so rocky and hilly that it was difficult to navigate the rocky terrain in the vehicle. We drove the vehicle some distance past where the dirt path to the site ended. We determined that the terrain became increasingly more

difficult to drive on and decided to park the vehicle and walk the rest of the way to the edge of the site.

(5) The land surrounding the former bombing target range was very hilly and rocky (photographs K-1, K-2, K-4, K-5 and K-6). Large sagebrush and grasses were scattered throughout the site (photographs K-4 and K-5). The weather that day was overcast, extremely windy and it was raining sporadically. The rain made it difficult to walk the site on foot without slipping. Also, because cattle are allowed on the site to graze, cattle excrement was everywhere. As we approached the edge of what we determined to be the bombing target range, we noticed a steep rock formation blocking our access to the edge of the range. In order to get a better view the land comprising the target range, we had to ascend the rock formation for an unobstructed view. The rock formation was very steep, and treacherous because the rain had made it quite slippery. Nonetheless, we carefully climbed to the top of the formation to look down at the land we determined to be the target range. The bombing target range was located deep down in what appeared to be a canyon. Large high rock formations surrounded the site, which prevented us accessing the site location. It was at this point that photo shots of the site were taken. We took various photographs of the range from our position (photographs K-2, K-3, and K-6). We also looked around us for any residual evidence of former DOD improvements to the range, such as concrete footings for observation towers, etc. No evidence of such improvements was discovered. Evidence of human activity was discovered, but turned out to be only discarded food containers and spent cartridge casings. We speculated these residuals were from hunters or transient campers, perhaps even from campers at the recreational vehicle park located approximately 3-4 miles down the road from the site.

(6) Historical documentation indicated that no DOD improvements were ever made to the site (photograph K-6). We looked all over the perimeter of the site for any visible indication of former DOD activity, but nothing was found. We then examined the canyon floor from what we could see from the rocky formations, which surround it, but again, nothing was seen to indicate that any construction had ever been accomplished at the site. We later concluded that the large steel cable we had found initially near the vintage vehicles was unrelated to the former bombing target range.

(7) The site is only being used for nature preservation and cattle grazing.

ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
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DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

APPENDIX K

PRESENT SITE PHOTOGRAPHS

APPENDIX K
PRESENT SITE PHOTOGRAPHS

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- K-1 Rock formation and vegetation, which surround the bombing target site (Area A).
- K-2 Looking at land originally acquired for the bombing target site (Area A).
- K-3 Looking down at the land acquired for the bombing target site (Area A).
- K-4 A distant view of the bombing target site beneath the rock formations (Area A).
- K-5 A distant view of the valley floor where the bombing target was proposed for construction (Area A).
- K-6 Looking toward the far end of the bombing target site (Area A).



K-1: Typical rock formation and sagebrush vegetation, which surround the proposed bombing target site.



K-2: Looking at land originally acquired for use as a bombing target, which was never completed.



K-3: Looking out at the land originally acquired for the construction of the bombing target.



K-4: A distant view of the proposed bombing target immediately below the backdrop of the surrounding rock formation.



K-5: Another distant view of the valley floor where the bombing target was proposed for construction.



K-6: Looking toward the far end of the proposed bombing target site.

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

APPENDIX L

RESPONSE TO COMMENTS

5 October 2003

MEMORANDUM FOR TIMOTHY LUX (CEMVR-ED-DO)

SUBJECT: Draft Ordnance and Explosives (OE) Archive Search Report (ASR) for the Former Ephrata bombing Target Range, Douglas County, Washington, F10WA028301, September 2003

1. All references to the Rocky Mountains are actually referring to the Cascade Mountains that constitute the division between western and eastern Washington State. See pages 1 and 2 of the PROJECT FACT SHEET, and pages 3 (2 instances) and 5 of the main report.

Response: Suggested corrective changes to main report have been made.

2. Section b. **Climatic Data** was evidently borrowed, at least in part, from an ASR describing a location in southern California. There is no Imperial Valley in Douglas County (See page 4), and the actual precipitation and snowfall far exceed figures reported. (It might be useful to check out the ASR for Ephrata Army Air Field, Grant County, Washington, F10WA028100, prepared by MVS in 1994-98.)

Response: Appropriate climatic data indigenous to site area has been incorporated into main report.

3. On page 2, paragraph 2, subparagraph a. (2) it is confusing to state that the site was formerly "used" by the DOD, when we all agree that it was not used. (The 1987 NWS draft INPR for this property makes the same confusing statement, but it was clarified in the approved 1990 FDE which states that the property was formerly "controlled" by the DOD but never used.)

Response: Suggested corrective change has been made to main report.

4. Thank you for the opportunity to review and comment on this draft report.

Jonathan A. Maas

DESIGN REVIEW COMMENTS

PROJECT Ephrata Bombong Target Range - F10WA028301

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> SITE DEV & GEO | <input type="checkbox"/> MECHANICAL | <input type="checkbox"/> OE SAFETY | <input type="checkbox"/> SYSTEMS ENG |
| <input type="checkbox"/> ENVIR PROT& UTIL | <input type="checkbox"/> MFG TECHNOLOGY | <input type="checkbox"/> ADV TECH | <input type="checkbox"/> VALUE ENG |
| <input type="checkbox"/> ARCHITECTURAL | <input type="checkbox"/> ELECTRICAL | <input type="checkbox"/> ESTIMATING | <input checked="" type="checkbox"/> OTHER - USA Environmental, Inc. |
| <input type="checkbox"/> STRUCTURAL | <input type="checkbox"/> INST & CONTROLS | <input type="checkbox"/> SPECIFICATIONS | |

REVIEW ASR Review
 DATE 28 January 2004
 NAME Doug Ralston 813-884-5722 x104

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1	General	Draft ASR for the Ephrata Bombing Target Range, Douglas County, WA, was reviewed for accuracy and completeness. Based on this review the following comments are provided:	No action required.
2	General	The INPR is not located in the ASR.	FDE is located at Appendix E-1.
3	General	I concur with the recommendation of the ASR for a NDAI on this site.	No action required.

ACTION CODES
 A - ACCEPTED/CONCUR
 D - ACTION DEFERRED
 W - WITHDRAWN
 N - NON-CONCUR
 VE - VE POTENTIAL/VEP ATTACHED

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE		CORPS OF ENGINEERS	
DESIGN REVIEW COMMENTS		F10WA028301 PROJECT DERP FUDS Ephrata Bombing Target Range	
X <input type="checkbox"/> ASR/INPR TEAM		REVIEW ASR TAG OE DATE 21 April 2004 NAME Daniel Linehan (918) 420-8867	
ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1.	General	After reviewing this ASR, I concur with the ASR and HNC Safety for a RAC score of 5. Evidence, both documented and visual, indicated this site was not used for its intended purpose as a bombing target. There appears to be no areas of confirmed or potential MEC presence at this site.	No action required.
2.	General	Correct any reference to this site being "east of the Rockies".	Site reference correction has been made to main report.

ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

APPENDIX M

REPORT DISTRIBUTION

APPENDIX M

REPORT DISTRIBUTION

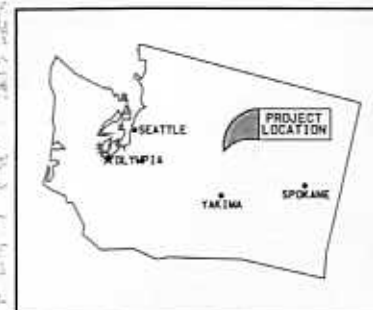
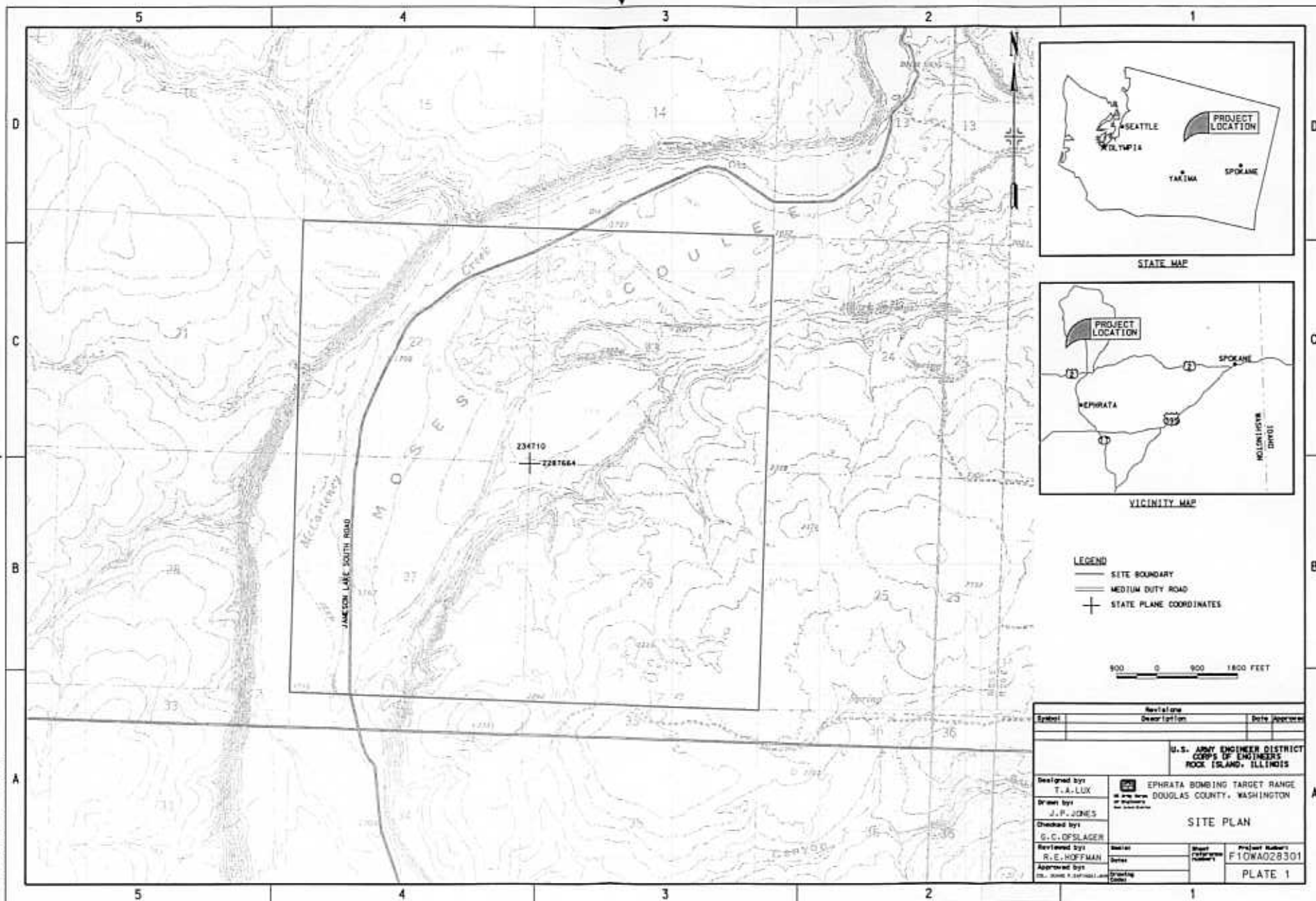
I - Final Report
 II - Findings Report
 III - Routed Final Report

	I	II	III
Commander, U.S. Army Corps of Engineers Engineering & Support Center, Huntsville ATTN: CEHNC-ED-SY-A (Mardis) P.O. Box 1600 Huntsville, Alabama 35807-4301	2	-	-
Commander, U.S. Army Engineer Division Mississippi Valley ATTN: CEMVD-MD-PM (Shelton) PO Box 80 Vicksburg, MS 39181-0080	-	-	-
Commander, U.S. Army Health Clinic ATTN: MCXP-PMA (Sonnenberg) Rock Island Arsenal Rock Island, Illinois 61201	-	-	-
Commander, U.S Army Engineer, Seattle District ATTN: CENWS-PM-EM (Maas), PO Box 3755, Seattle, WA 98124-2255	2	-	-
Commander, U.S. Army Engineer District, Rock Island P.O. Box 1600 Rock Island, Illinois 61201			
Internal			
CEMVR-ED	-	-	1
-ED-D	-	-	1
-ED-DO	3	-	-

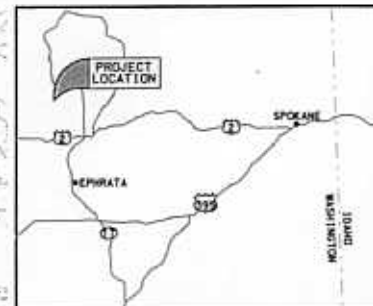
ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
EPHRATA BOMBING TARGET RANGE
DOUGLAS COUNTY, WASHINGTON
PROJECT NUMBER F10WA028301

REPORT PLATES

07-SEP-2003 08:13
 41 WPCS\K011409455402-48301-000



STATE MAP



VICINITY MAP

LEGEND

- SITE BOUNDARY
- MEDIUM DUTY ROAD
- + STATE PLANE COORDINATES

900 0 900 1800 FEET

Symbol	Revision	Description	Date	Approved
<p align="center">U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS</p>				
Designed by:		<p align="center">EPHRATA BOMBING TARGET RANGE DOUGLAS COUNTY, WASHINGTON</p>		
Drawn by:		<p align="center">SITE PLAN</p>		
Checked by:		<p align="center">Project Number: F10WA028301</p>		
Reviewed by:		<p align="center">Drawing Date:</p>		
Approved by:		<p align="center">PLATE 1</p>		

